EFFECT OF DIFFERENCE BETWEEN GROUP CONSTANTS PROCESSED BY CODES TIMS AND ETOX ON INTEGRAL QUANTITIES

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Effect of Difference between Group Constants
Processed by Codes TIMS and ETOX on Integral Quantities

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Group constants of ^{235}U, ^{238}U, ^{239}Pu, ^{240}Pu and ^{241}Pu have been produced with the processing code TIMS using the evaluated nuclear data of JENDL-1. The temperature and composition dependent self-shielding factors have been calculated for the two cases with and without considering mutual interference resonant nuclei.

By using the group constants set produced by the TIMS code, the integral quantities, i.e. multiplication factor, Na-void reactivity effect and Doppler reactivity effect, are calculated and compred with those calculated with the use of the cross sections set produced by the ETOX code to evaluate accuracy of the approximate calculation method in ETOX. There is much difference in self-shielding factor in each energy group between the two codes. For the fast reactor assemblies under study, however, the integral quantities calculated with these two sets are in good agreement with each other, because of eventual cancelation of errors.

プロセスコード TIMS と ETOX で計算した炉定数間の差の積分量への影響

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^{235}U，^{238}U，^{239}Pu，^{240}Pu と ^{241}Pu の群定数を評価済み核データ JENDL－1 を用いて，プロセスコード TIMS でもって作成した。その際温度と組成依存の自己遮蔽因子を，異核種間の干渉効果を考慮した場合と考慮しない場合について計算した。

　一方，ETOX コードで用いられている近似計算法の精度を評価するために，TIMS と ETOX で作成した群定数を用いて積分量；実効増倍係数，ナトリウム・ボイド及びドップラー反応効果を計算し，それらの結果を比較した。自己遮蔽因子間にはかなりの差が各エネルギー群で見られるが，ここで考えられた高速臨界集合体については，これら2つのセットで計算された積分量は互いに良く一致している。この一致は誤差の偶然的な打ち消し合いのためである。

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1. Introduction

Nuclear design calculations and analyses of experiments of fast reactors are usually performed by the use of multigroup transport or diffusion theory codes. The multigroup calculations are often based on the concept of multigroup constants set such as the ABBN[1] or JAERI-Fast set.[2][3][4] The principal advantage of multigroup constant method is that the calculation of integral quantities can be made by using the same set of multigroup constants for the various reactors with different compositions and sizes. Consequently, there has been arisen a need to develope a computer code which economically and conveniently calculates these group constants using an updated nuclear data file. For this purpose, some processing codes such as SUPERTOG,[5] PROF-GROUCH-G,[6] PROF-GROUCH-G-II,[7] ETOX[8] and TIMS,[9] were developed. However, calculational methods of group constants used in these codes are different. Especially, the effective cross sections in resonance energy region are calculated by using various methods. The difference of these methods affects the final results of integral quantities in neutronics calculation of fast reactors. It is essential in reactor calculation to well comprehend the effect of these different methods on integral quantities.

In the present report, we study the influence of two different group cross sections sets on some integral quantities: One was produced[*] by using the processing codes PROF-GROUCH-G-II and ETOX, and another was produced by PROF-GROUCH-G-II and TIMS. The evaluated nuclear data of JENDL-1[10] were used in these calculations. The codes ETOX and TIMS calculate the group cross sections of heavy resonant nuclides in the

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(*) The calculation of group constants was performed by the Reactor Group Constants Working Group of JNDC.

resonance energy regions. In the two sets, the group constants of light and medium nuclei and of heavy nuclei in smooth region above resonance energy have been calculated by the PROF-GROUCH-G-II code. Thus, the effects of different methods between TIMS and ETOX on integral quantities can be studied by performing the neutronics calculation using two group constants sets.

In the ETOX code, the effective group cross sections are calculated by assuming the constancy of collision density. Moreover, the isolated narrow resonance approximation is used in the unresolved resonance region. On the other hand, in order to avoid the calculational errors[11] caused from these approximations, the TIMS code calculates the effective cross sections by directly solving the neutron slowing down equation using the recurrence formula for slowing down source. For this purpose, the TIMS code generates a ladder of resonance levels and parameters by using Monte Carlo method in the unresolved resonance region.

The difference between TIMS and ETOX methods are described in detail and the self-shielding factors calculated with two codes are compared in Chapter 2. Some integral quantities, such as effective multiplication factors and Doppler reactivity worths were calculated by using these different group constants sets, and compared with the experimental results. The comparisons of these results are given in Chapter 3.

The group constants of five nuclides, ^{235}U, ^{238}U, ^{239}Pu, ^{240}Pu and ^{241}Pu calculated by the TIMS code are shown in Appendix.

2. Production Method for Group Constants of Heavy Resonant Nuclei in Resonance Energy Region

The effective group cross sections are defined by the following equation:

$$\tilde{\sigma}_{x,i} = \int_{\Delta E_i} \sigma_x(E,T)\phi(E)dE \bigg/ \int_{\Delta E_i} \phi(E)dE , \qquad (1)$$

where $\sigma_x(E,T)$ is an energy and temperature dependent resonance cross section, the subscript x stands for capture, fission and elastic scattering reactions, ΔE_i the energy width of the considered group i and $\phi(E)$ the neutron flux. In the conventional method, the calculation of Eq.(1) is usually performed by assuming the constant collision density, that is,

$$\phi(E) = 1 \bigg/ [E \Sigma_t(E)] , \qquad (2)$$

where $\Sigma_t(E)$ the macroscopic total cross section. The group constants of the ABBN set were calculated under this assumption. The ETOX code also calculates the group constants following the assumption. Moreover, the isolated narrow-resonance approximation is used for unresolved resonance region. With this approach, the mutual interference effect between resonances of different nuclides and self-overlapping effect are ignored. Furthermore, the self-shielding of elastic removal cross section is assumed to be neglected.

On the other hand, the TIMS code calculates the effective cross section by solving numerically the neutron slowing down equation using the recurrence formula for slowing down source. The neutron slowing down equation in an infinite homogeneous system can be expressed as

$$\Sigma_t(u)\phi(u) = \sum_k S_k(u) = \sum_k \frac{1}{1-\alpha_k} \int_{u-\epsilon_k}^{u} e^{u'-u} \Sigma_{sk}(u')\phi(u')du' \quad , \qquad (3)$$

$$\alpha_k = (A_k - 1)^2 \Big/ (A_k + 1)^2 \quad , \qquad (4)$$

$$\epsilon_k = -\ln \alpha_k \quad , \qquad (5)$$

where the subscript k stands for the nuclear species and $\phi(u)$ the neutron spectrum at lethargy u. On an ultrafine group representation, the slowing down source is easily shown to be written as[4].

$$S_k^m = S_k^{m-1} + \frac{\Delta u_m}{1+\alpha_k} (F_k^m - F_k^{m-L_k^m}) \quad , \qquad (6)$$

$$F_k^m = \int_{\Delta u_m} \Sigma_{sk}(u)\phi(u)du = \Sigma_{sk}^m \phi^m \quad , \qquad (7)$$

$$F_k^{m-L_k^m} = \int_{u_-\epsilon_k}^{u_0-\epsilon_k} \Sigma_{sk}(u')\phi(u')du' \quad , \qquad (8)$$

where u_- is the lower bound of the (m-1)-th fine group and L_k^m an integral number of groups which corresponds to the maximum lethargy gain by elastic collision.

The neutron spectrum on an ultrafine group m can be calculated numerically from Eqs.(3) and (6), when the Doppler broadened microscopic cross sections are provided on ultrafine group structure. Then, the effective group cross sections for capture, fission and elastic scattering are given by

$$\tilde{\sigma}_x = \sum_{\Delta E} \sigma_x^m \phi^m \Big/ \sum_{\Delta E} \phi^m \quad , \qquad (9)$$

and the total and elastic removal cross sections are defined, respectively by

$$\tilde{\sigma}_t = \frac{\sum\limits_{\Delta E} \phi^m}{\sum\limits_{\Delta E} \dfrac{\phi^m}{\sigma^m_{t,1} + R_0\sigma^m_{t,2} + \sigma_0}} - \frac{\sum\limits_{\Delta E} \phi^m}{\sum\limits_{\Delta E} \dfrac{\phi^m}{R_0\sigma^m_{t,2} + \sigma_0}} \tag{10}$$

and

$$\tilde{\sigma}_{er} = \frac{\sum\limits_{\Delta E'} \sigma^m_n \phi^m \dfrac{E_L - \alpha E_m}{(1-\alpha)E_m}}{\sum\limits_{\Delta E} \phi^m} \quad , \tag{11}$$

where $\Delta E' = E_L/\alpha - E_L$, $\sigma_{t,1}$ the total cross section of the resonant nuclei under consideration, $\sigma_{t,2}$ that of the other resonant material, R_0 the atomic density ratio of the nuclei (2) to (1), E_L the lower group energy boundary of integration interval ΔE and σ_0 the admixture background scattering cross section of Bondarenko's type.

The numerical calculations were performed by assuming the average moderator mass A_k = 30.[3] The resulting group constants for ^{235}U, ^{238}U, ^{239}Pu, ^{240}Pu and ^{241}Pu are shown as tables of the JAERI Fast set format in Appendix.

The self-shielding factors calculated with the TIMS and ETOX codes are compared for some typical energy groups in Figs.1.0 ~ 5.8.

Figures 1.0 ~ 1.10 show the comparison of the self-shielding factors for fission cross sections of ^{235}U. The differences between the self-shielding factors obtained by TIMS and ETOX are considerably observed from these figures. The composition dependence of the self-shielding factors calculated by the TIMS code is larger than that obtained by the ETOX code, as seen from Fig.1.0. The temperature coefficients of the self-shielding factors are also different between the results of TIMS and ETOX. For the

ETOX results, especially, the temperature dependence is negligibly small in the high energy groups. Furthermore it should be noticed that the magnitude of the temperature coefficient of self-shielding factors changes between the TIMS and ETOX results according to the change in σ_o-values. As seen from Fig.1.6, for example, the temperature dependence of self-shielding factors calculated by ETOX is larger than the one obtained by TIMS for σ_o = 10 (barns), but the temperature dependence becomes inversely small for σ_o = 1000 (barns) in the high energy groups.

In Figs.2.0 ~ 2.7, the self-shielding factors for capture cross sections of ^{238}U are compared for several energy groups. The temperature dependence of self-shielding factors calculated by ETOX is larger than the one by TIMS for the case of σ_o = 10 barns in the unresolved energy groups. This tendency can be seen also for the case of σ_o = 1000 barns.

This fact differs from the result described above for ^{235}U, which may be attributed to the difference in the expression of resonance cross section. In the TIMS ocde, Doppler broadened cross sections of ^{238}U and ^{240}Pu were calculated by a multilevel formula[12] to avoid unreasonable result produced by adding the floor correction cross sections to the Breit-Wigner single-level expression, as shown in Fig.6.

In Figs.3.0 ~ 3.9, the self-shielding factors for fission cross sections of ^{239}Pu are compared for several energy groups. The comparison results can be similarly summarized to those observed for ^{235}U mentioned above.

In Figs.4.0 ~ 4.5 and Figs.5.0 ~ 5.8, the self-shielding factors of ^{240}Pu and ^{241}Pu are compared for several energy groups, respectively. It is observed also for this case that the difference between the self-shielding factors calculated with the two different methods are remarkable and each method gives a different temperature dependence of self-shielding

factors.

In the next chapter, thus, we study the effects of these dif-
ferences between the self-shielding factors calculated with TIMS and ETOX
codes on the integral quantities in fast reactor system.

In Figs.7 ~ 18, the Doppler broadened cross sections of ^{238}U and
^{239}Pu calculated with the TIMS code are shown for several energy ranges.
The change of resonance cross sections broadened by temperature raising
from 300 °K to 900 or 2100 °K can be intuitively known for the resolved
and unresolved ranges from these figures.

3. Comparison of Integral Quantities Calculated by Two Group

Cross Section Sets Obtained from TIMS and ETOX Methods

The differences between two group constants sets obtained from the
TIMS and ETOX codes exist only in the effective group cross sections of
heavy nuclides in the resonance energy regions. As integral quantities to
be studied, we selected the effective multiplication factor (k_{eff}), Doppler
reactivity effect and sodium void reactivity effect. Main characteristics
of fast reactor critical assemblies used for this comparison calculation
of these integral quantities are summarized in Table 1. Assembly FCA-VI-1
is the physics mockup core of JOYO (Experimental Fast Reactor). The SEFOR
assembly is the testing core for both static power reactivity and rapid
super-prompt-critical reactivity measurements. In the present analysis,
the experimental isothermal Doppler coefficient was calculated with the
use of the benchmark specification model.[13] The assemblies, ZPPR-2 and
ZPR-6-7 are the demonstration fast reactor benchmark cores to provide
physics data necessary for LMFBR design.

The neutronics calculations of the integral quantities were performed
with the use of diffusion theory code, DOPP2D[14] using two group constants
sets of JENDL-TIMS and JENDL-ETOX with the 70 group structure.

3.1 Effective Multiplication Factor

The effective multiplication factors were calculated with the two-
dimensional R-Z homogeneous model. The difference between JENDL-ETOX and
JENDL-TIMS is very small and below about 0.2 %, as shown in Table 2.
Hence, the difference between the two calculational methods for the group
constants may be negligibly small for the k_{eff} calculation.

3.2 Sodium Void Reactivity Effect

The experimental results of sodium void reactivity effect in ZPPR assembly 2 have been analysed with one-dimensional spherical homogeneous model. The sodium-voided zone consists of 93 matrix positions with all voided 12 inches each half core. In the present analysis, some important corrections such as two-dimensional, heterogeneity and neutron streaming effects were not considered, because the present aim lines only in studying the influence of two different calculational methods for group constants on sodium void effect.

Table 3 shows the comparison of the sodium void reactivity separated to each component term. The difference between JENDL-TIMS and JENDL-ETOX is negligible small for the total reactivity, though the difference by about 11 % is observed for "$\nu\Sigma_f$" component term.

3.3 Doppler Reactivity Effect

The temperature dependence of the group cross sections calculated by the two different codes, TIMS and ETOX, has been tested from the analyses of Doppler experiments performed in ZPPR-2 and SEFOR assemblies. The experiment in ZPPR-2 was the sample Doppler reactivity measurement for the natural UO_2 (NUO_2), and in SEFOR assembly was the measurement of the isothermal Doppler coefficient for the full core.

The results analysed for the NUO_2 sample Doppler experiment in ZPPR assembly 2 are shown in Fig.19. The calculation was performed with the one-dimensional first-order perturbation theory. The temperature dependence of group cross sections of ^{238}U can be tested from this experimental analysis. Both the results calculated with the use of JENDL-TIMS and -ETOX are larger than the experimental values by 10 ~ 14 %. The results of JENDL-TIMS and -ETOX are in a very good agreement with each other, but

the values of ETOX are larger than those of TIMS by 1 ~ 2 %, although the com-
parison of the groupwise Doppler reactivity effect indicates remarkable dis-
crepancies between the results of JENDL-TIMS and JENDL-ETOX. It is observed
that JENDL-ETOX results are larger than JENDL-TIMS ones in the unresolved
resonance region and reversely small in the resolved region. This tendency
observed produces an accidental cancellation and gives a good agreement
between the results of JENDL-TIMS and -ETOX for the total Doppler reac-
tivity.

The results analysed for the Doppler reactivity measurement of the
full core in SEFOR assembly are compared in Figs.20 and 21. This analysis
was performed with the first-order perturbation theory using two-dimensional
R-Z benchmark model. The results of JENDL-TIMS and -ETOX overestimate the
experimental values by 19 % and 23 %, respectively. In both the results,
the positive Doppler reactivity by fission component term is more than
30 % in comparison with the negative one by capture term. The difference
in the fission component between JENDL-TIMS and -ETOX is remarkable as
seen from Fig.21, and the result of JENDL-TIMS is larger than the one of
JENDL-ETOX, especially in the unresolved region. This tendency differs
from the results for the capture component as shown in Fig.20. The
tendency for the capture term is similar to the results of the NUO_2 sample
Doppler analysis indicated in Fig.19, because the total capture component
contributes dominantly to the ^{238}U Doppler effect. These different tend-
encies for $\nu\Sigma_f$- and Σ_c-terms between JENDL-TIMS and -ETOX can be compre-
hended by observing Figs.1.1 ~ 5.8. These figures show that the magnitude
of the temperature dependence of the group cross sections calculated with
two different methods differs between TIMS and ETOX results, depending
on the σ_o-values, as described in Chapter 2. For example, as seen from
Fig.1.6, the temperature dependence of self-shielding factors calculated

by ETOX is larger than the one by TIMS for $\sigma_o = 10$ (barns), but the magnitude of the temperature dependence becomes inversely small for $\sigma_o = 1000$ (barns) in the unresolved resonance region. The values of σ_o for ^{238}U are commonly less than 100 barns and those for ^{239}Pu more than 100 barns for typical core compositions. However, the comparison of the total Doppler reactivities shows that the difference between the results of JENDL-TIMS and -ETOX is very small because of the eventual cancellation mentioned above.

4. Concluding Remarks

Some integral quantities, k_{eff}, Na-void reactivity and Doppler reactivity effects, were calculated by using the two different group cross sections sets, which were produced with the different methods of TIMS and ETOX codes. The calculated values were compared with each other and the results are summarized as follows: The values obtained from these two sets are in a good agreement with each other. However, as for the Doppler effect of the effective cross sections, the difference between the results of TIMS and ETOX depends strongly on the energy groups and the compositions. A good agreement between the results of the Doppler reactivity effects from JENDL-TIMS and -ETOX methods is considered to be due to the eventual cancellation. Hence, it cannot be concluded that the difference between the TIMS and ETOX methods to the Doppler effect is always negligibly small for any fast reactor systems. This remark will become more clear if the mutual interference effect[14][15] is taken into account for the calculation of the self-shielding factors in the TIMS method. Moreover, the present remark will be an interesting problem for neutronics calculations of heterogeneous composed core reactors, because each core region may produce different Doppler coefficient.

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Table 1.   Main characteristics of fast reactor
critical assemblies

Assembly	Fuel	R = Fertile/Fissile		Core volume(ℓ)
		Inner core	Outer core	
FCA-VI-1	Pu, U	4.3	3.0	223
SEFOR	Pu	4.3		558
ZPPR-2	Pu	6.5	4.0	2400
ZPR-6-7	Pu	6.5	6.5	3120
LMFBR*	Pu	8.7	6.6	5000

* Large sodium-cooled fast breeder reactor for an
international comparison calculation.

Table 2   Effective multiplication factors calculated
by the DOPP2D code for 2-dimensional R-Z model

Set　Assembly	JENDL-TIMS	JENDL-ETOX	TIMS/ETOX
FCA-VI-1	0.99797	0.99819	0.9998
ZPPR-2 L-90(normal)	0.99135	0.99275	0.9986
ZPR-6-7 (H240)	0.99022	0.99134	0.9989
LMFBR (Na-in)	1.02372	1.02494	0.9988
SEFOR	1.02327	1.02332	0.9999

Table 3. Central Na-void reactivity by 70-group
1-dimensional 1-st order perturbation
calculation in ZPPR-2 Assembly

Set Component	JENDL-TIMS	JENDL-ETOX	Difference between TIMS and ETOX
ΔK by $\nu \Sigma_f$	-3.632 -5	-3.281 -5	-3.51 -6
ΔK by Σ_r	3.556 -3	3.340 -3	2.16 -4
ΔK by Σ_a	1.134 -3	1.112 -3	2.20 -5
ΔK by Σ_{in}	3.340 -3	3.326 -3	1.40 -5
ΔK by D	-4.884 -4	-4.826 -4	-5.80 -6
Total reactivity	7.505 -3	7.262 -3	2.43 -4
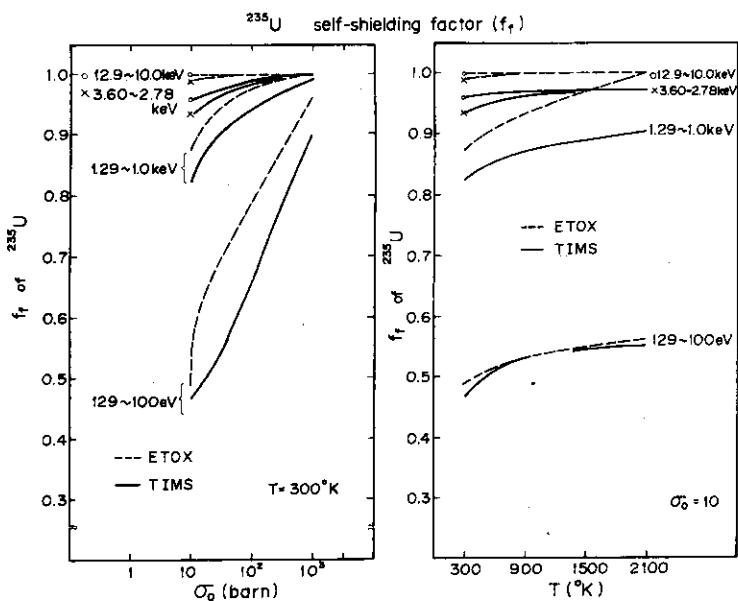
Fig. 1.0 Comparison of fission self-shielding factors of
^{235}U calculated with the TIMS and ETOX codes
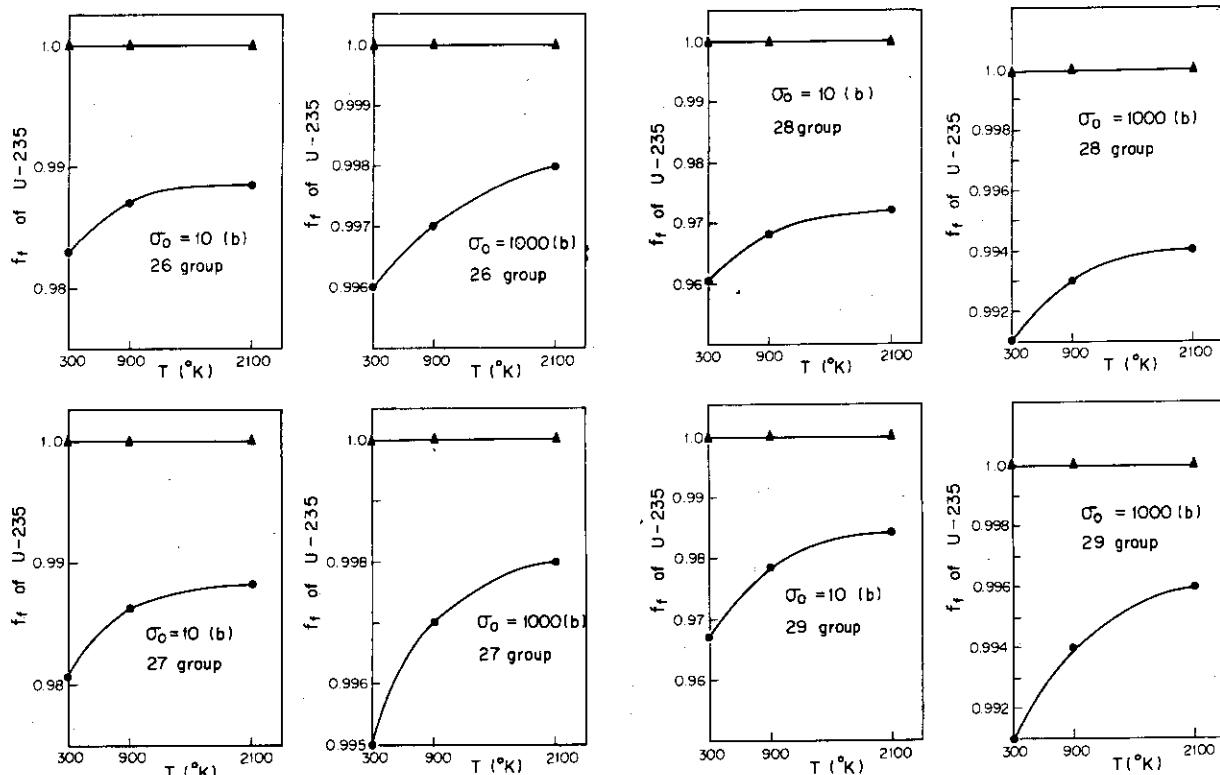
Fig. 1.1 Comparison of fission self-shielding factors of ^{235}U.
●—● : TIMS, ▲—▲ : ETOX

Fig. 1.2. Comparison of self shielding factors of ^{235}U,
●—● : TIMS, ▲—▲ : ETOX
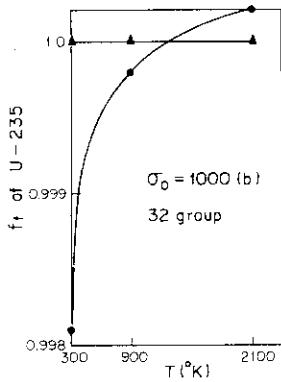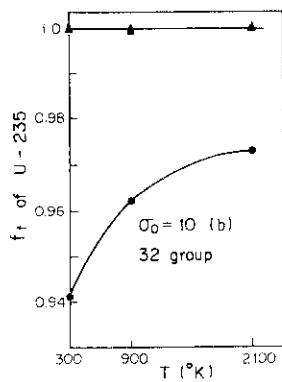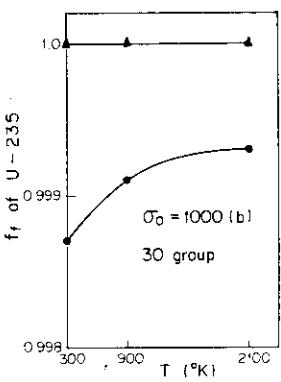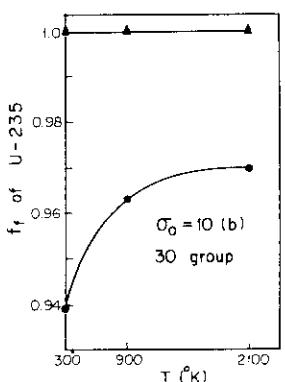
Fig. 1. 3. Comparison of self-shielding factors of ^{235}U,
●——● : TIMS, ▲——▲ : ETOX
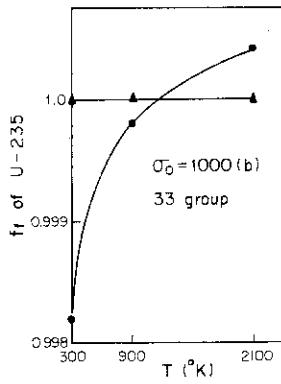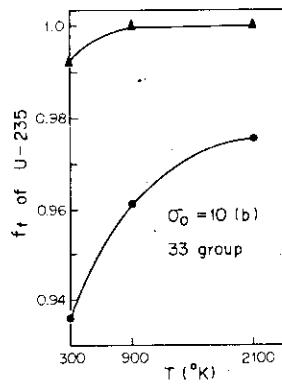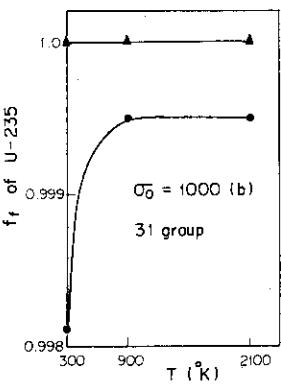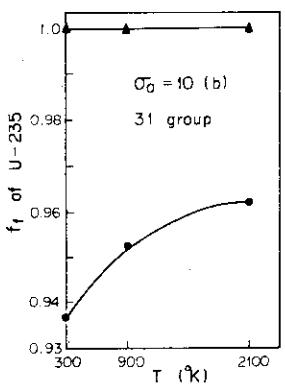
Fig. 1. 4. Comparison of self-shielding factors of ^{235}U,
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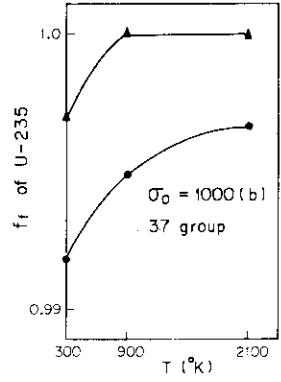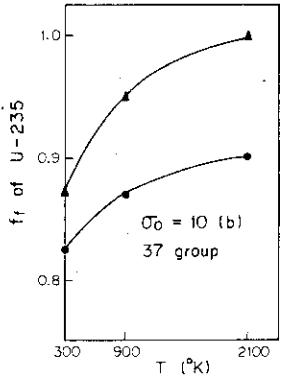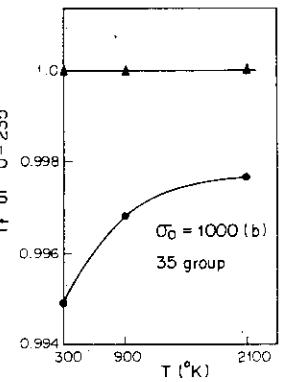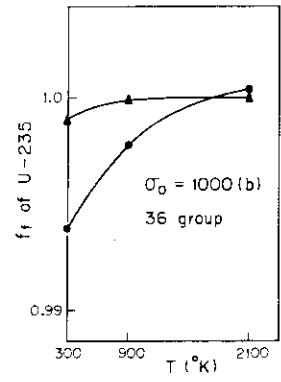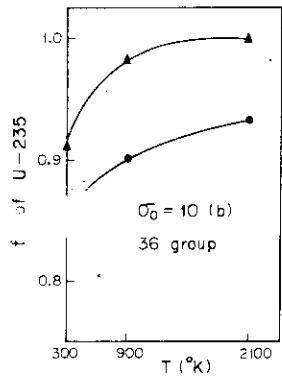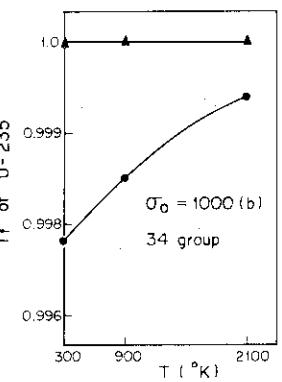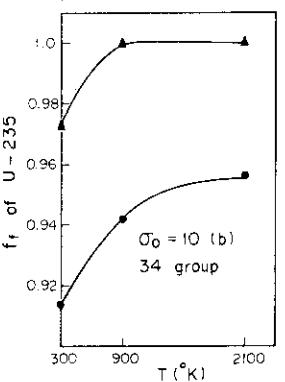
Fig. 1. 5. Comparison of self-shielding factors of ^{235}U,
●——● : TIMS, ▲——▲ : ETOX

Fig. 1. 6 Comparison of self-shielding factors of ^{235}U,
●——● : TIMS, ▲——▲ : ETOX
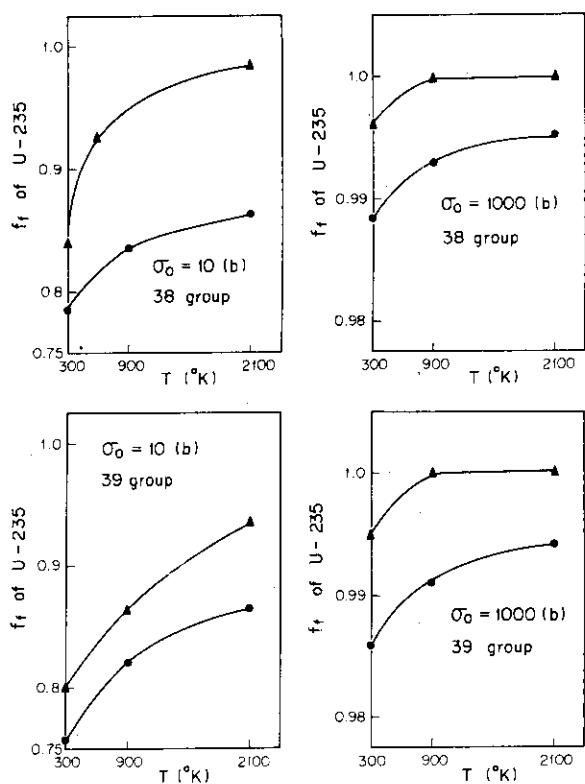
Fig. 1.7 Comparison of self-shielding factors of ^{235}U.
●——● : TIMS, ▲——▲ : ETOX
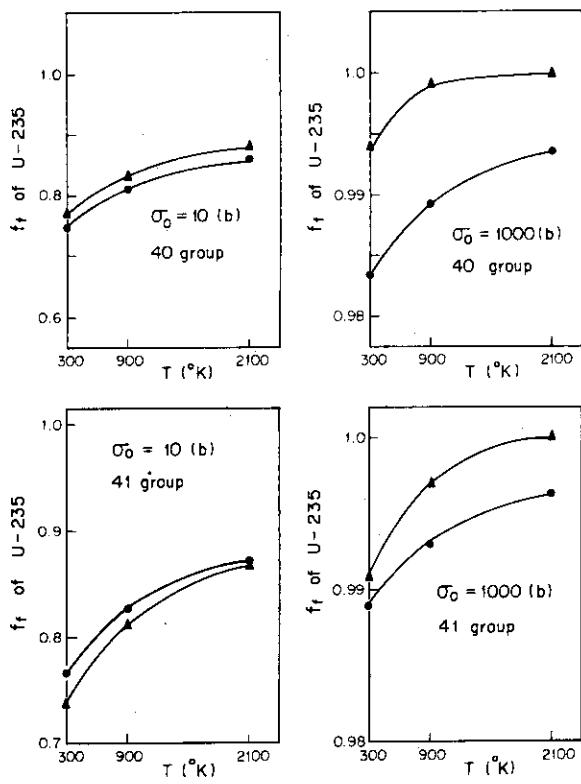
Fig. 1.8 Comparison of self-shielding factors of ^{235}U.
●——● : TIMS, ▲——▲ : ETOX
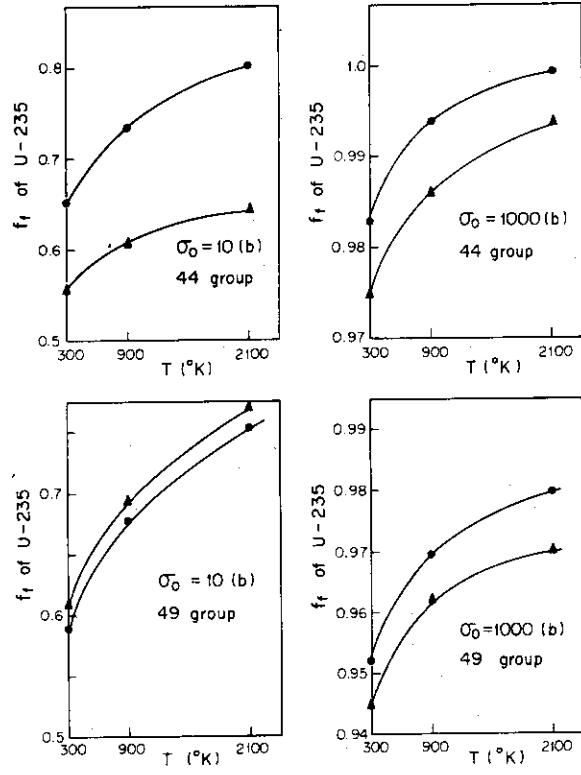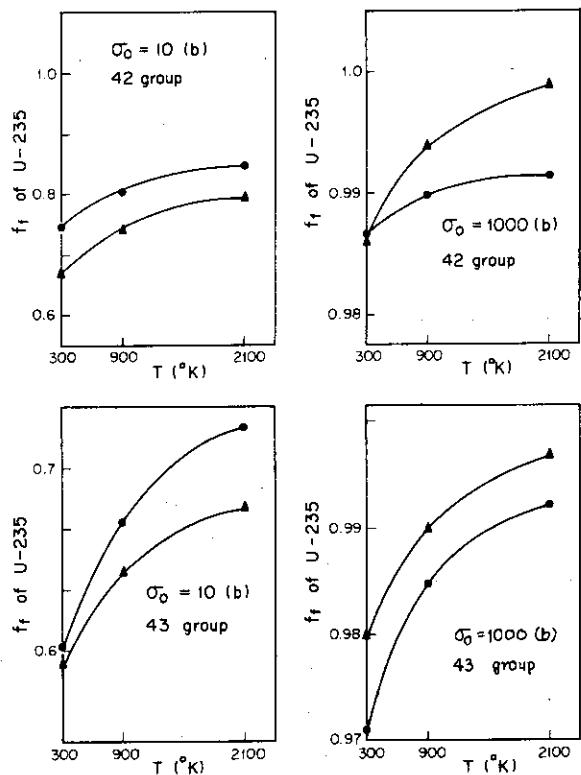
Fig. 1.9. Comparison of self-shielding factors of ^{235}U.
●——● : TIMS, ▲——▲ : ETOX

Fig. 1.10. Comparison of self-shielding factors of ^{235}U.
●——● : TIMS, ▲——▲ : ETOX
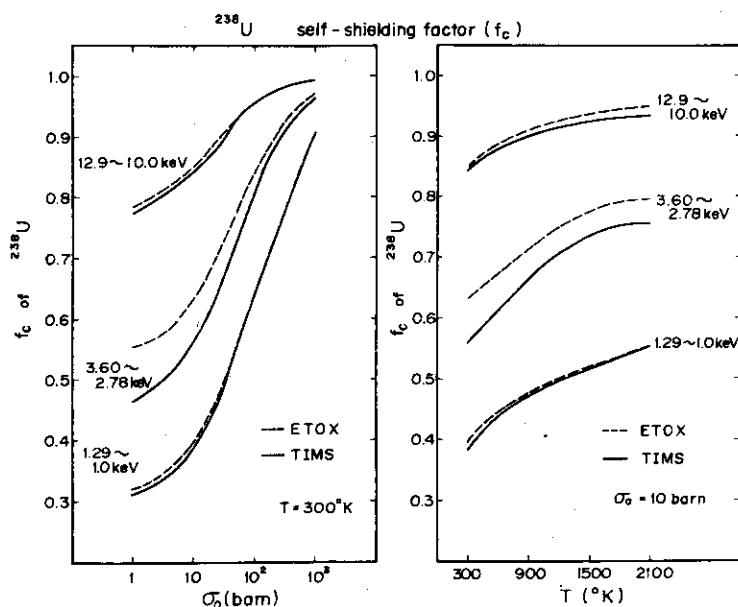
Fig. 2.0 Comparison of capture self-shielding factors of
^{238}U calculated with the TIMS and ETOX codes
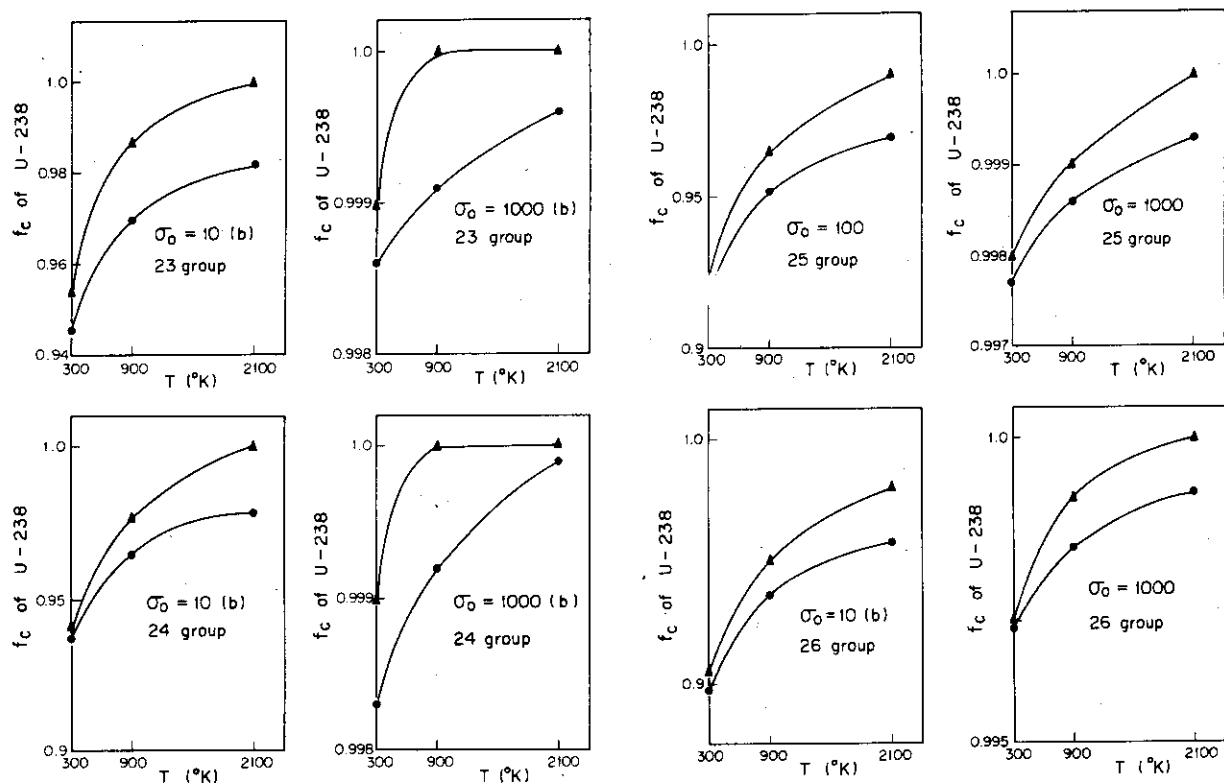
Fig. 2.1 Comparison of capture self-shielding factors of ^{238}U.
●——● : TIMS, ▲——▲ : ETOX

Fig. 2.2 Comparison of capture self-shielding factors of ^{238}U.
●——● : TIMS, ▲——▲ : ETOX
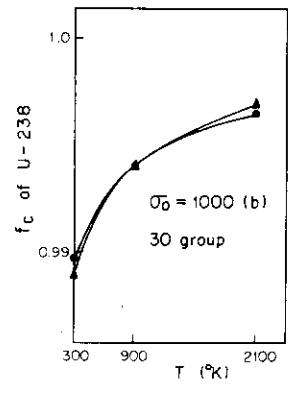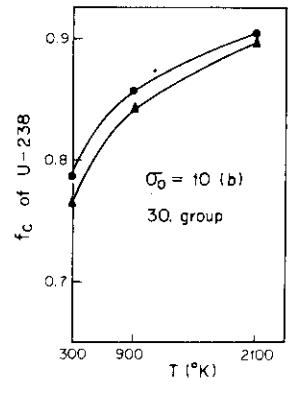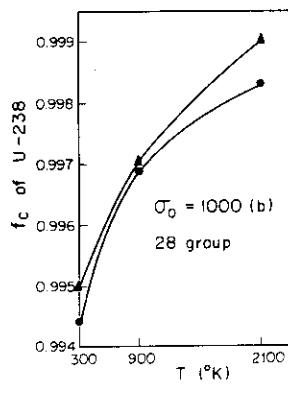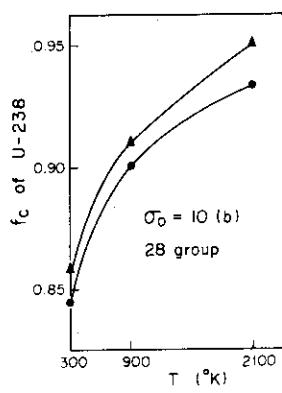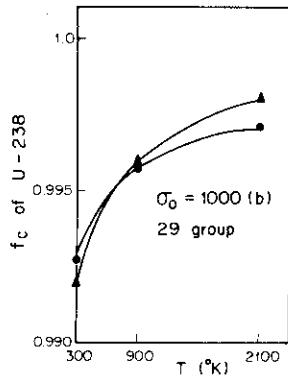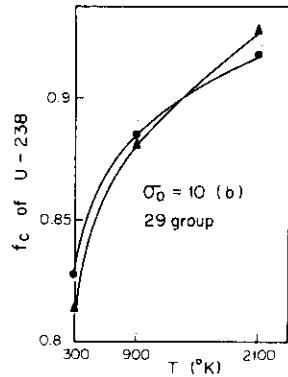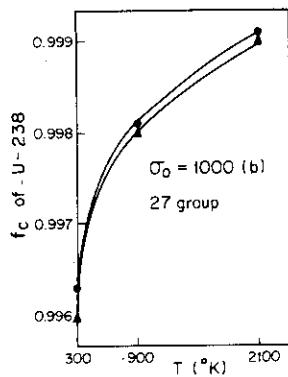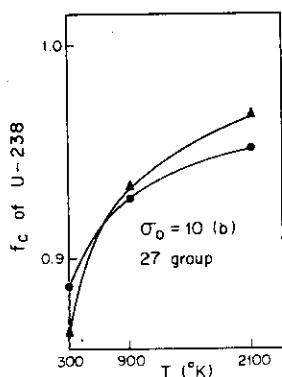
Fig. 2.3. Comparison of capture self-shielding factors of ^{238}U.
●——● : TIMS, ▲——▲ : ETOX

Fig. 2.4 Comparison of capture self-shielding factors of ^{238}U,
●——● : TIMS, ▲——▲ : ETOX
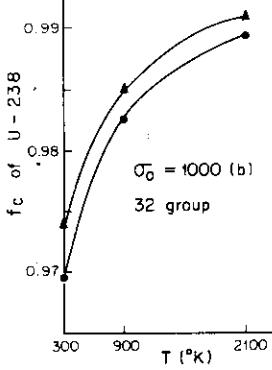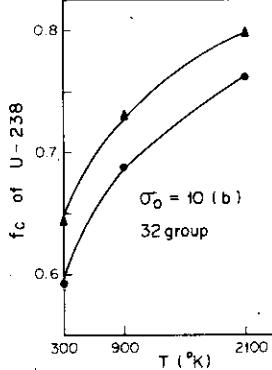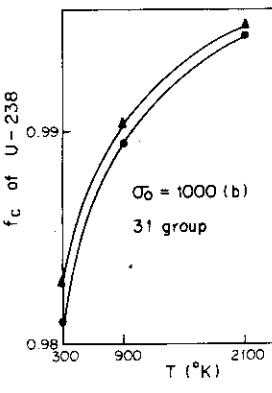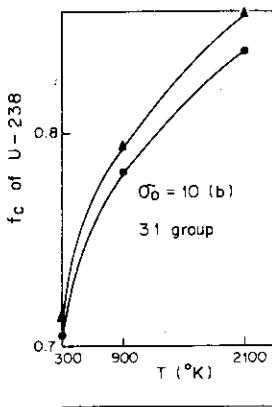
Fig. 2.5 Comparison of capture self-shielding factors of ^{238}U,
●——● : TIMS, ▲——▲ : ETOX
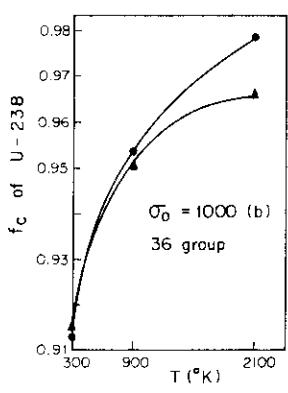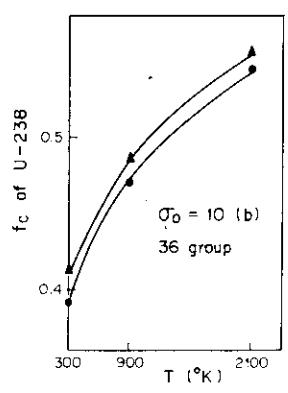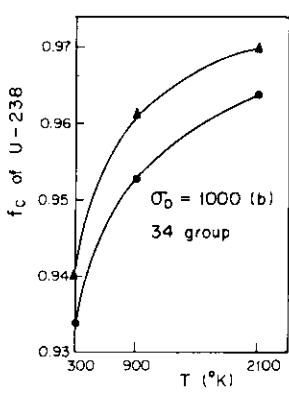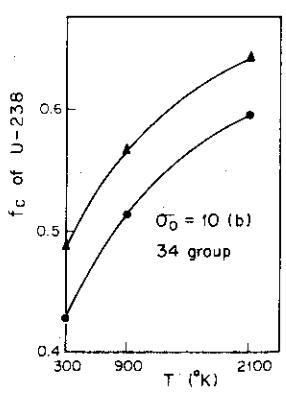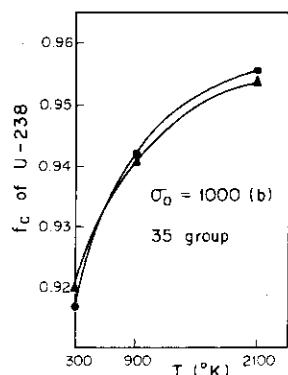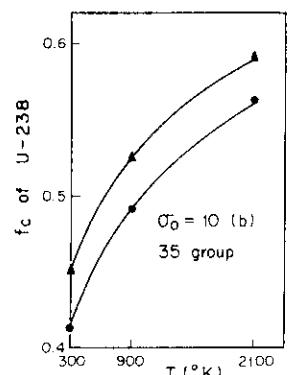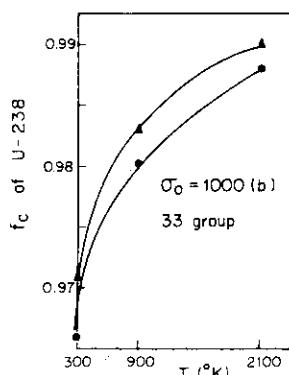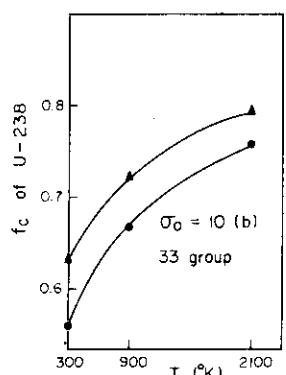
Fig. 2.6. Comparison of capture self-shielding factors of ^{238}U,
●——● : TIMS, ▲——▲ : ETOX

Fig. 2.7. Comparison of capture self-shielding factors of ^{238}U,
●——● : TIMS, ▲——▲ : ETOX
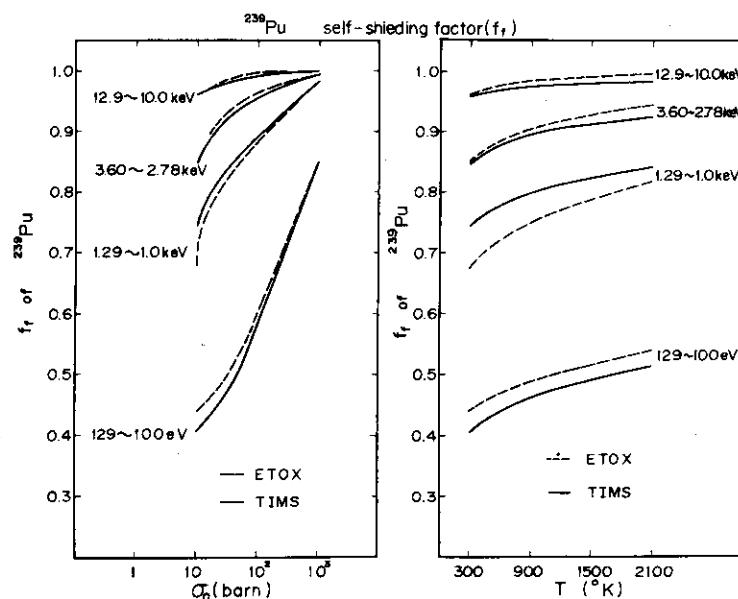
Fig. 3.0 Comparison of fission self-shielding factors of
^{239}Pu calculated with the TIMS and ETOX codes
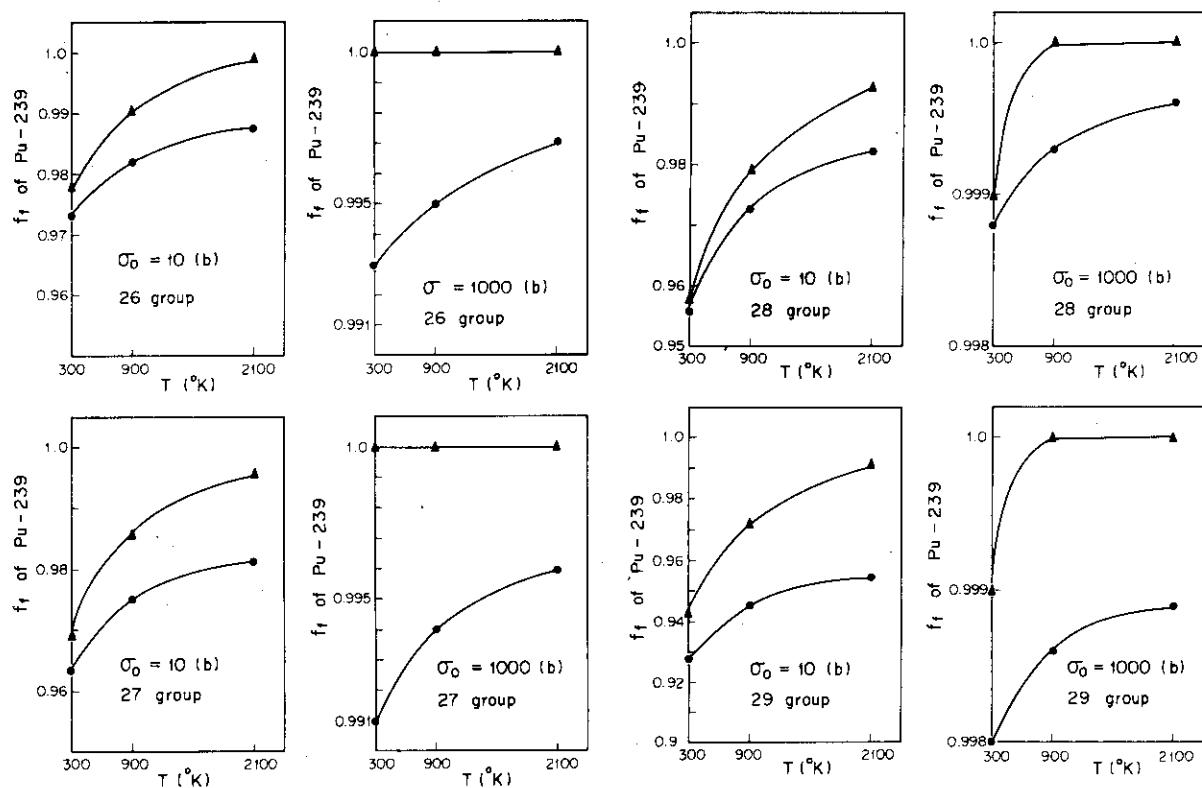
Fig.3.1 Comparison of fission self-shielding factors of ^{239}Pu.
●——● : TIMS.   ▲——▲ : ETOX

Fig. 3.2. Comparison of fission self-shielding factors of ^{239}Pu,
●——● : TIMS,   ▲——▲ : ETOX
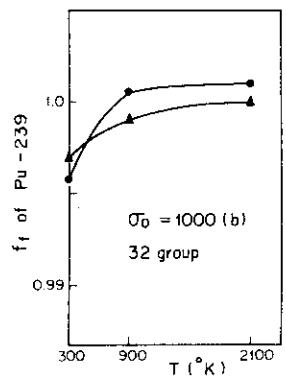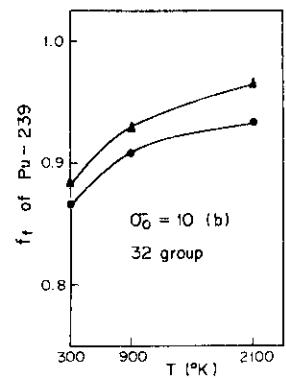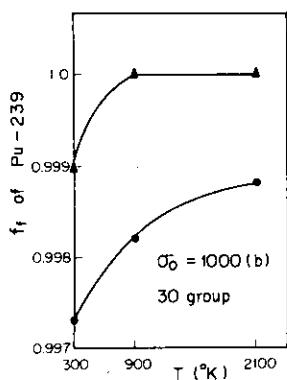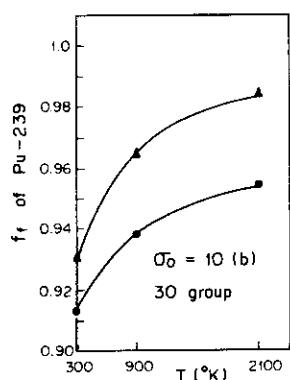
Fig. 3.3. Comparison of fission self-shielding factors of ^{239}Pu.
●—● : TIMS, ▲—▲ : ETOX
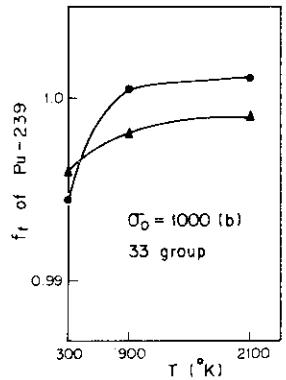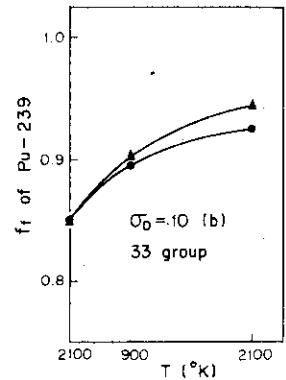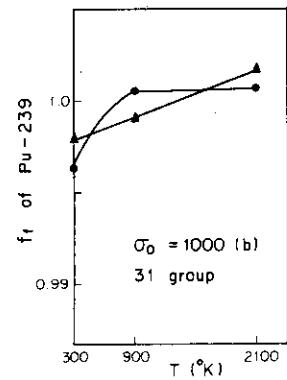
Fig. 3.4. Comparison of fission self-shielding factors of ^{239}Pu.
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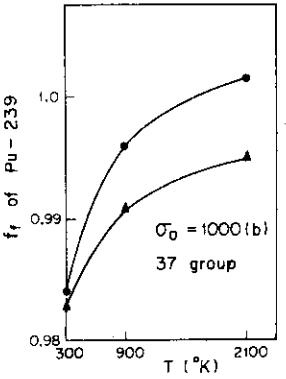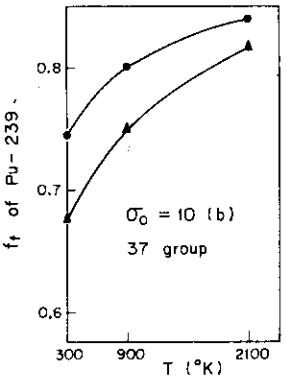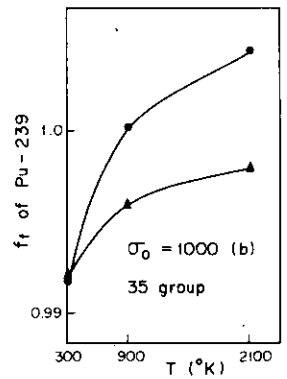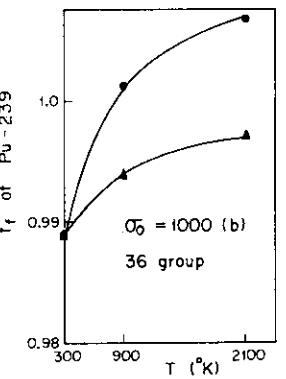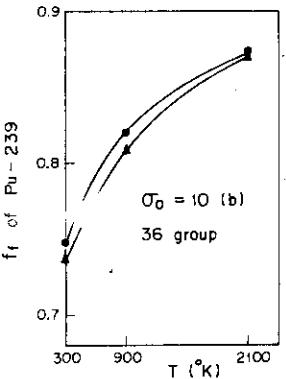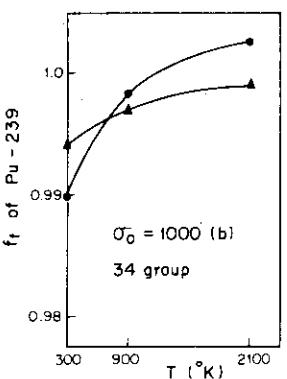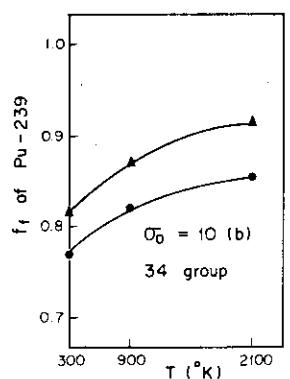
Fig. 3.5. Comparison of fission self-shielding factors of ^{239}Pu.
●—● : TIMS, ▲—▲ : ETOX

Fig. 3.6 Comparison of fission self-shielding factors of ^{239}Pu.
●—● : TIMS, ▲—▲ : ETOX
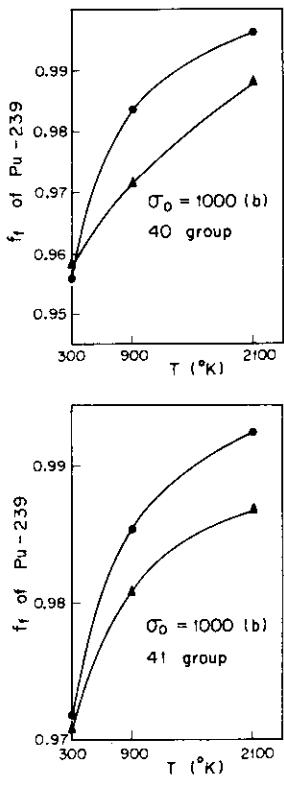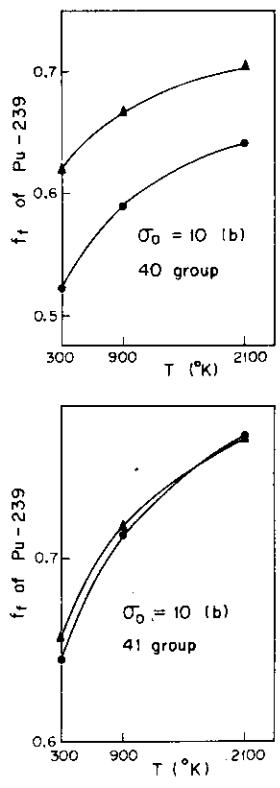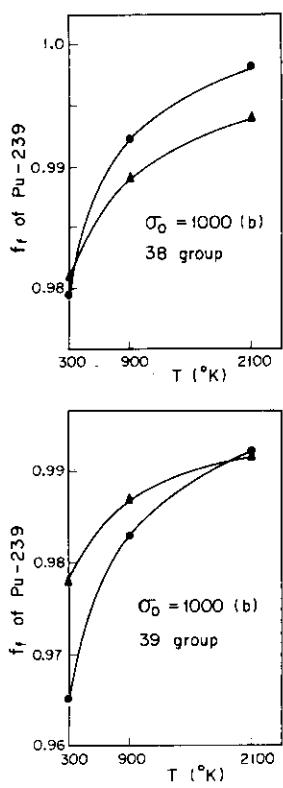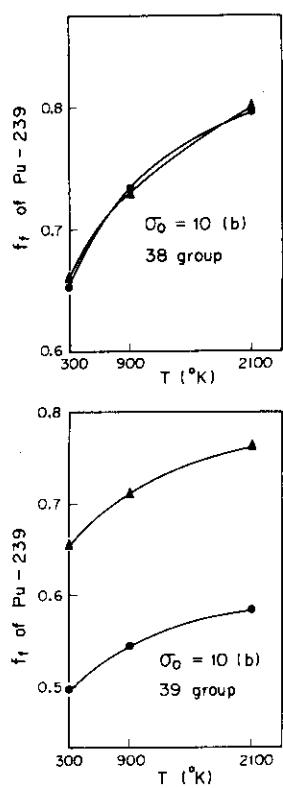
Fig. 3.7. Comparison of fission self-shielding factors of ^{239}Pu
●——● : TIMS,   ▲——▲ : ETOX

Fig. 3.8. Comparison of fission self-shielding factors of ^{239}Pu
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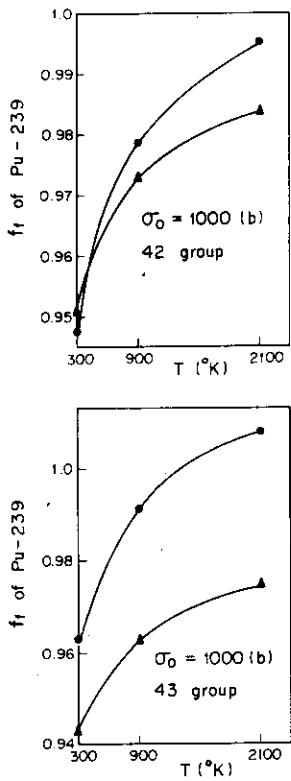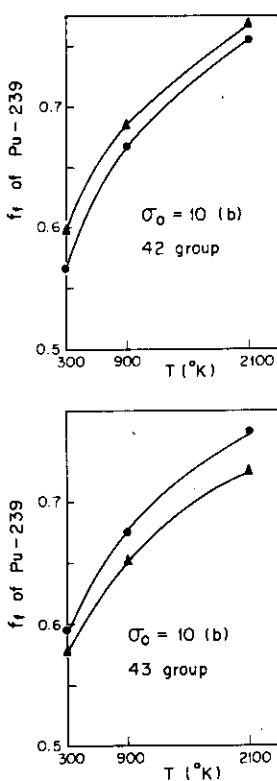
Fig. 3.9. Comparison of fission self-shielding factors of ^{239}Pu.
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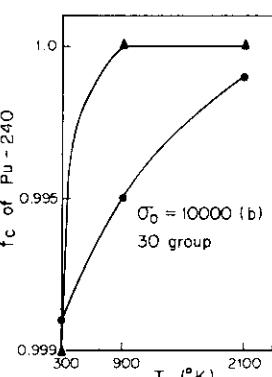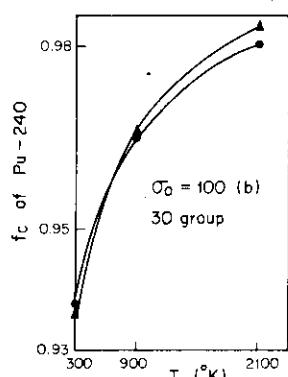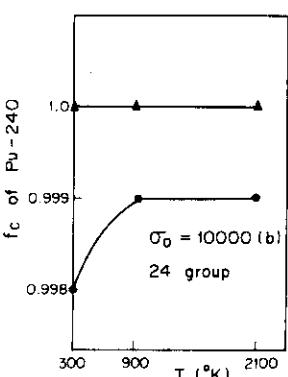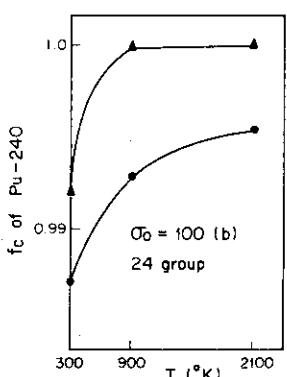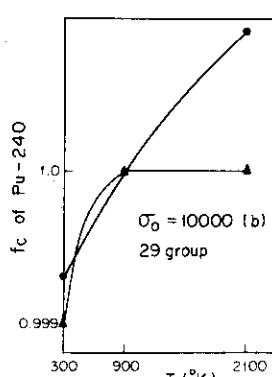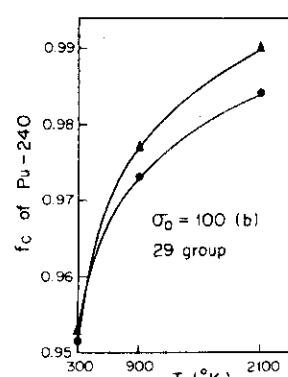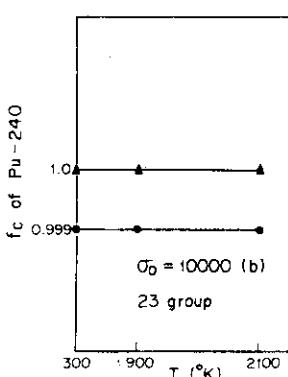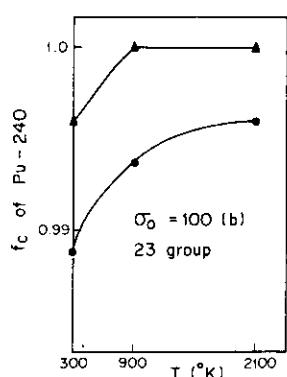
Fig. 4.1 Comparison of capture self-shielding factors of ^{240}Pu.

●——● : TIMS, ▲——▲ : ETOX

Fig. 4.2. Comparison of capture self-shielding factors of ^{240}Pu.
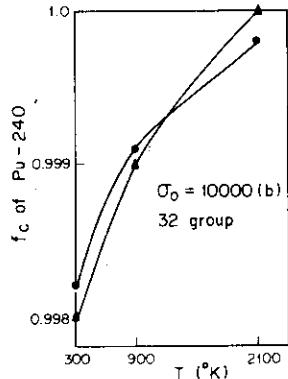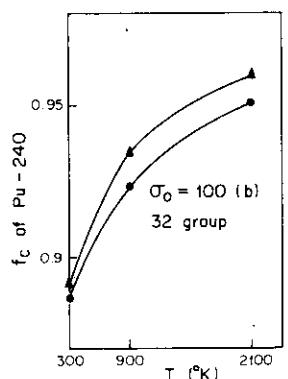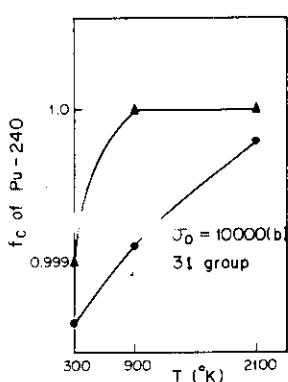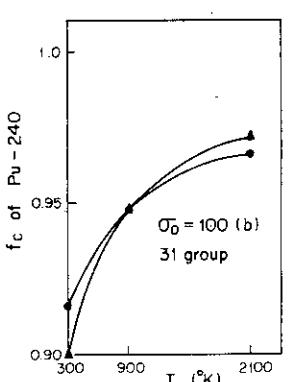
●——● : TIMS, ▲——▲ : ETOX

Fig. 4.3 Comparison of capture self-shielding factors of ^{240}Pu.
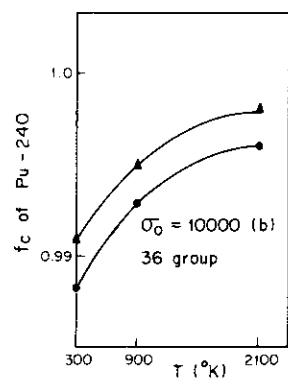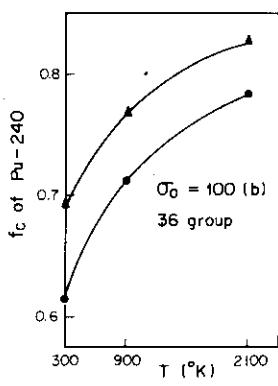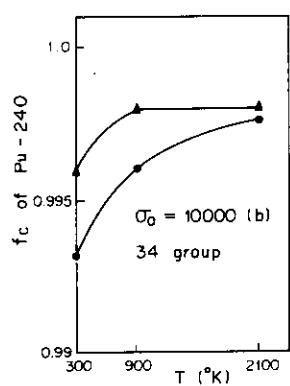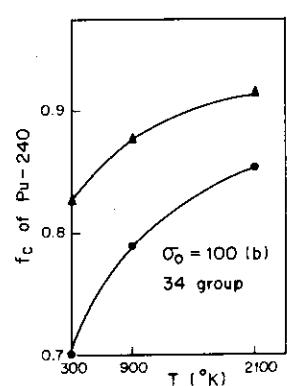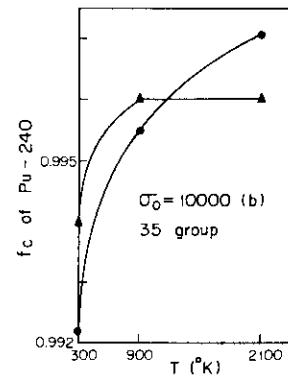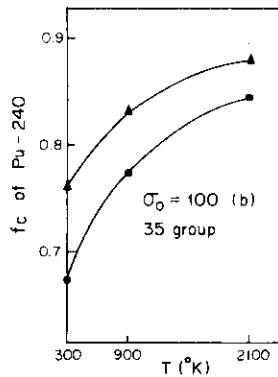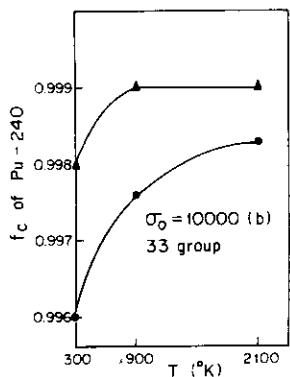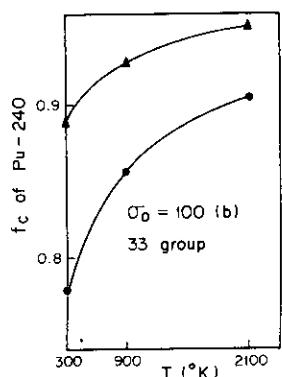
●——● : TIMS, ▲——▲ : ETOX

Fig. 4.4. Comparison of capture self-shielding factors of ^{240}Pu.
●——● : TIMS, ▲——▲ : ETOX

Fig. 4.5. Comparison of capture self-shielding factors of ^{240}Pu,
●——● : TIMS, ▲——▲ : ETOX
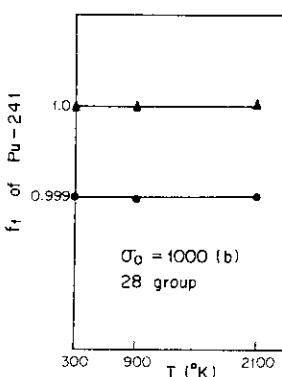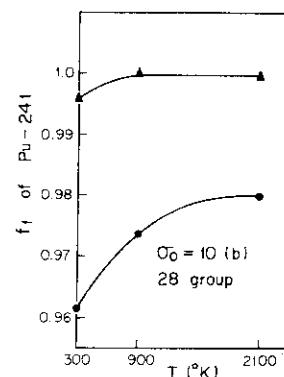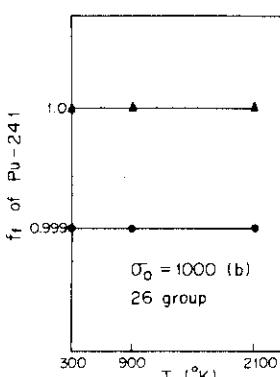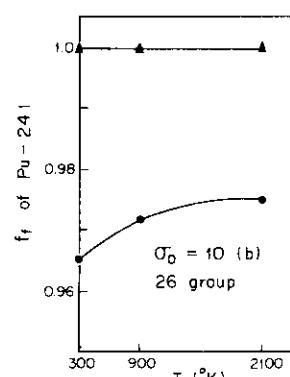
Fig. 5.1. Comparison of fission self-shielding factors of ^{241}Pu .
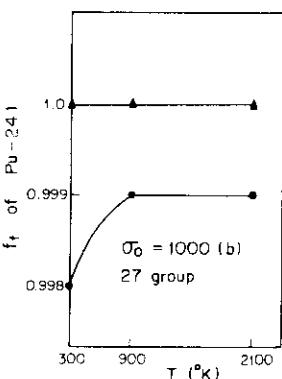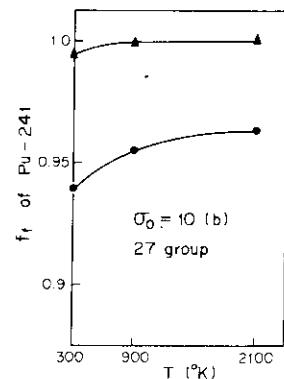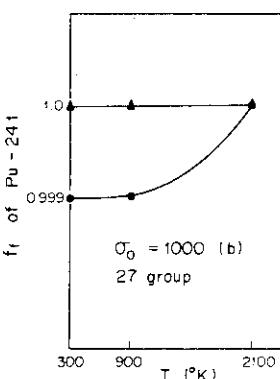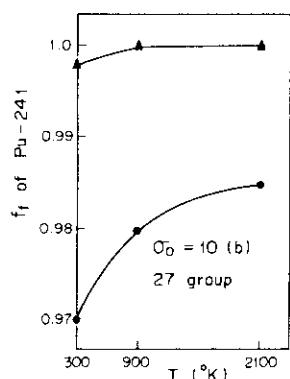
●─● : TIMS,   ▲─▲ : ETOX

Fig 5.2 Comparison of fission self-shielding factors of ^{241}Pu.
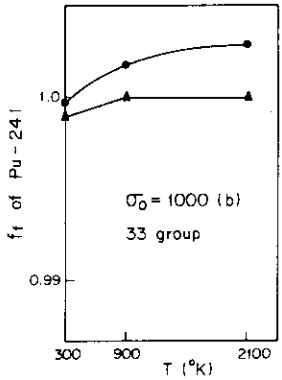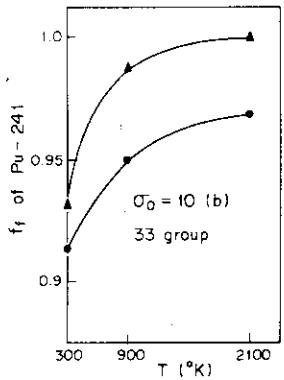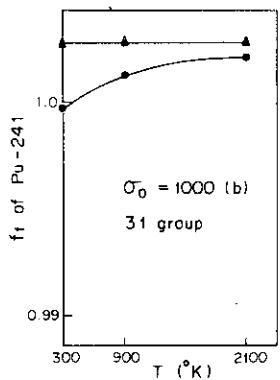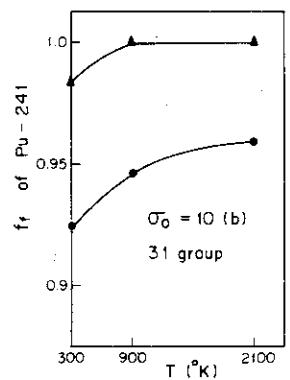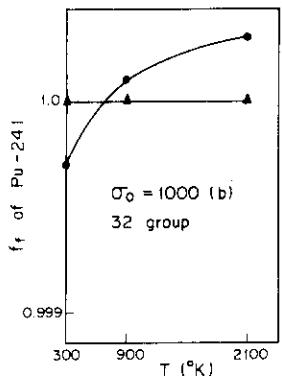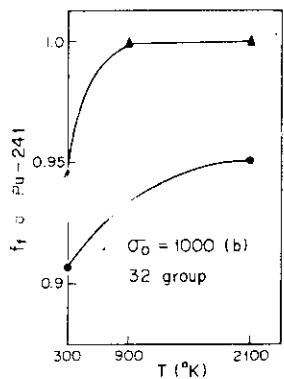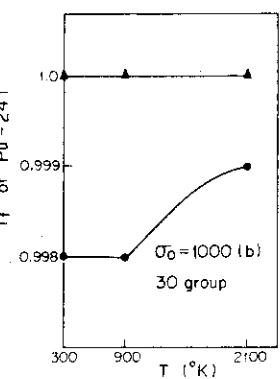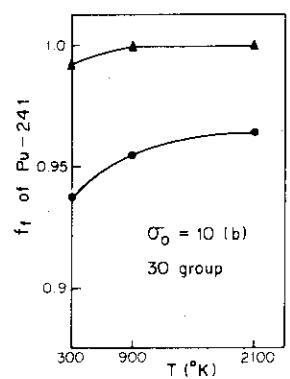
●─● : TIMS,   ▲─▲ : ETOX

Fig. 5.3. Comparison of fission self-shielding factors of ^{241}Pu

●─● : TIMS,   ▲─▲ : ETOX

Fig. 5.4. Comparison of fission self-shielding factor of ^{241}Pu.

●─● : TIMS,   ▲─▲ : ETOX
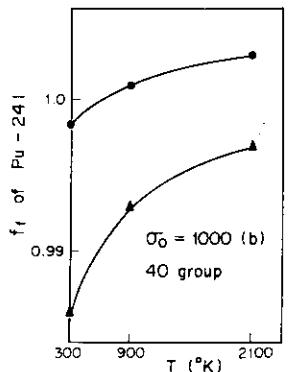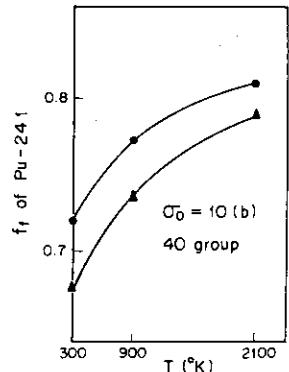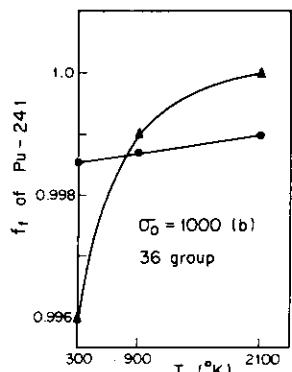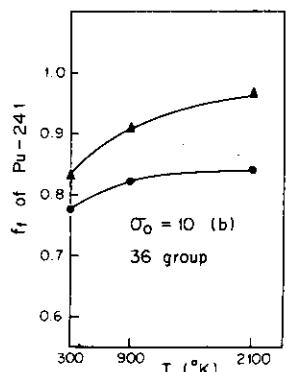
Fig. 5.5. Comparison of fission self-shielding factors of ^{241}Pu.
●—● : TIMS.　▲—▲ : ETOX
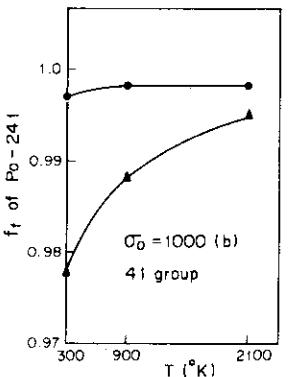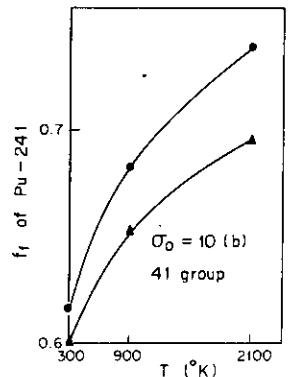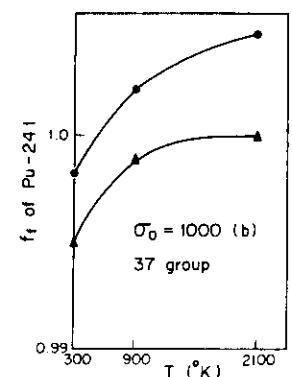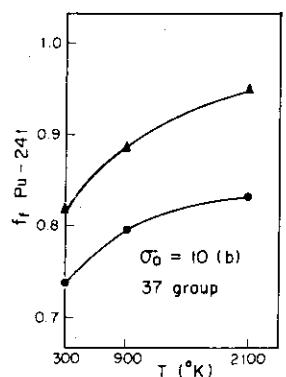
Fig. 5.6. Comparison of fission self-sheilding factors of ^{241}Pu.
●—● : TIMS.　▲—▲ : ETOX
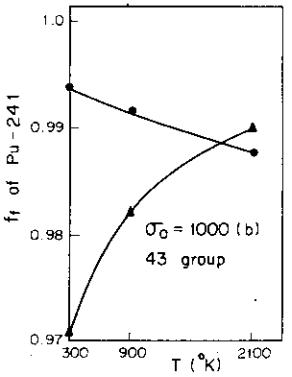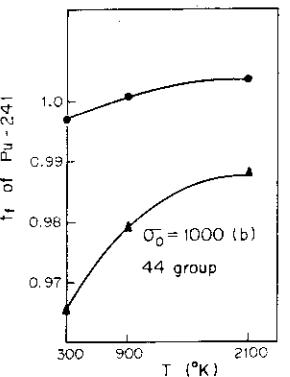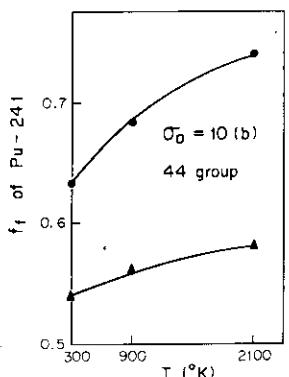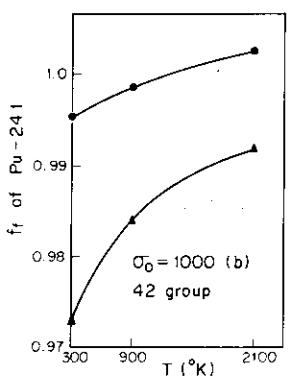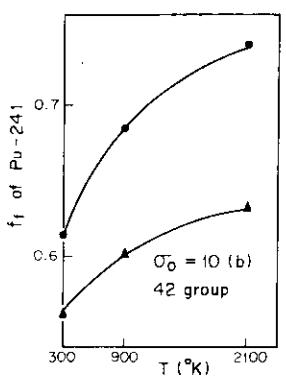
Fig. 5.8. Comparison of fision self-shielding factors of ^{241}Pu.
●—● : TIMS.　▲—▲ : ETOX

Fig. 5.7. Comparison of fission self-shielding factors of ^{241}Pu.
●—● : TIMS.　▲—▲ : ETOX
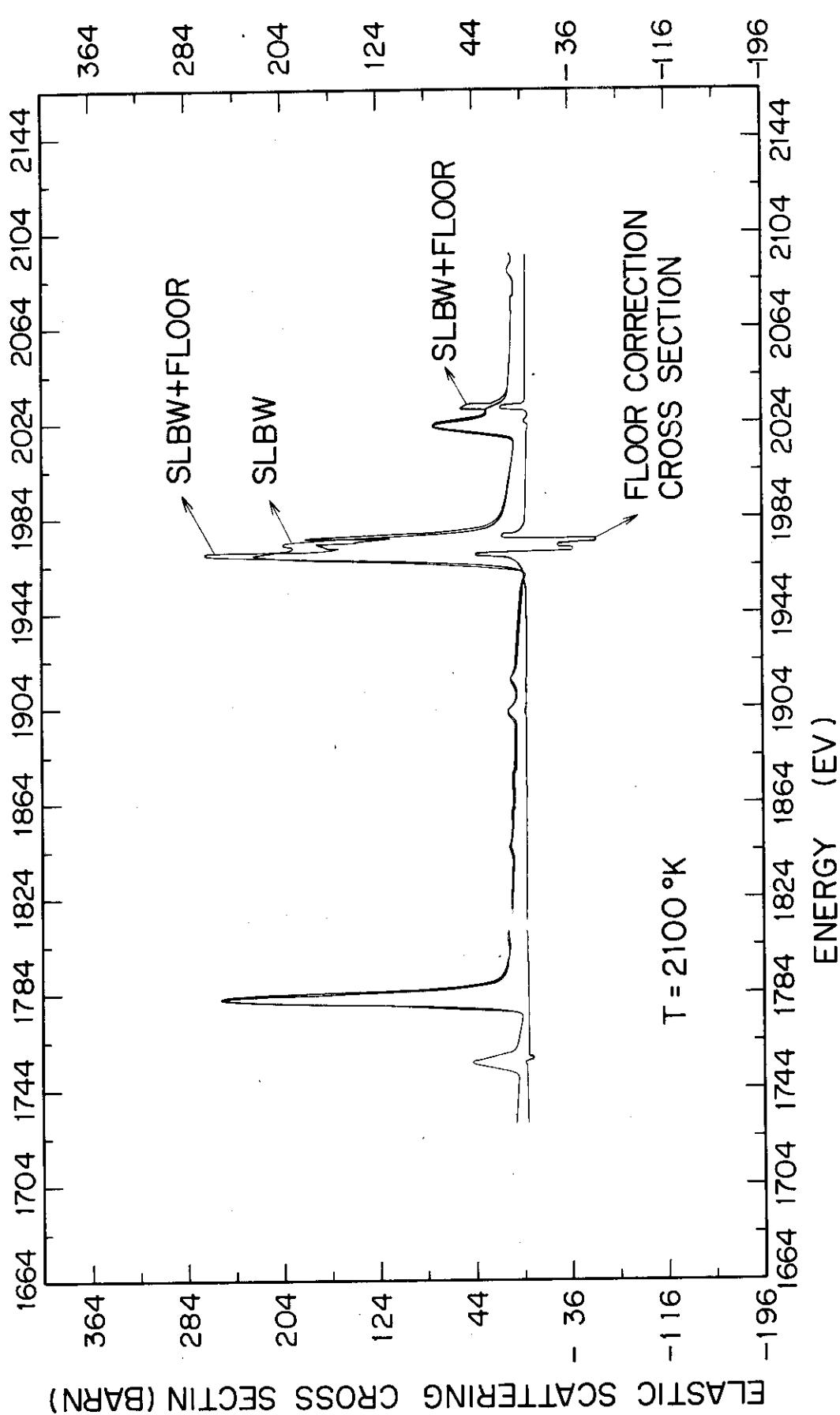
Fig. 6 Unreasonable Doppler-broadened cross sections
caused by large values of floor correction cross
sections
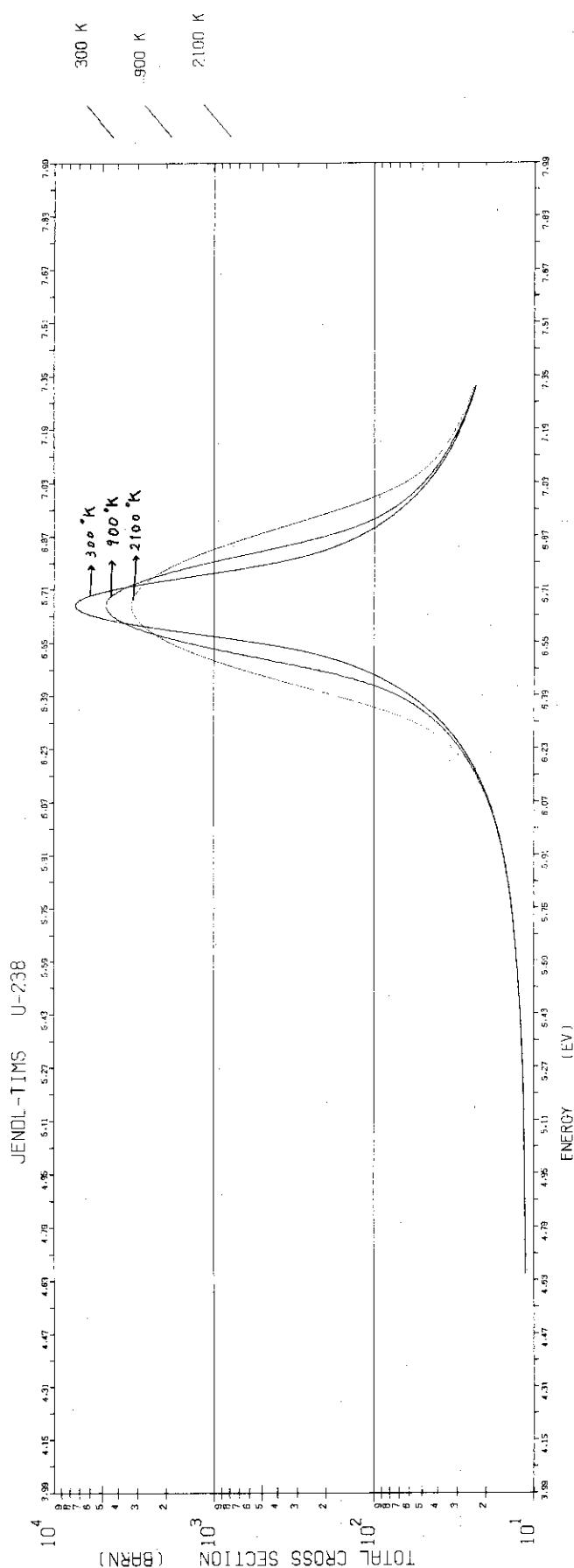
Fig. 7 Doppler broadened cross sections of 238U in the energy range from 4.65 to 7.35 eV
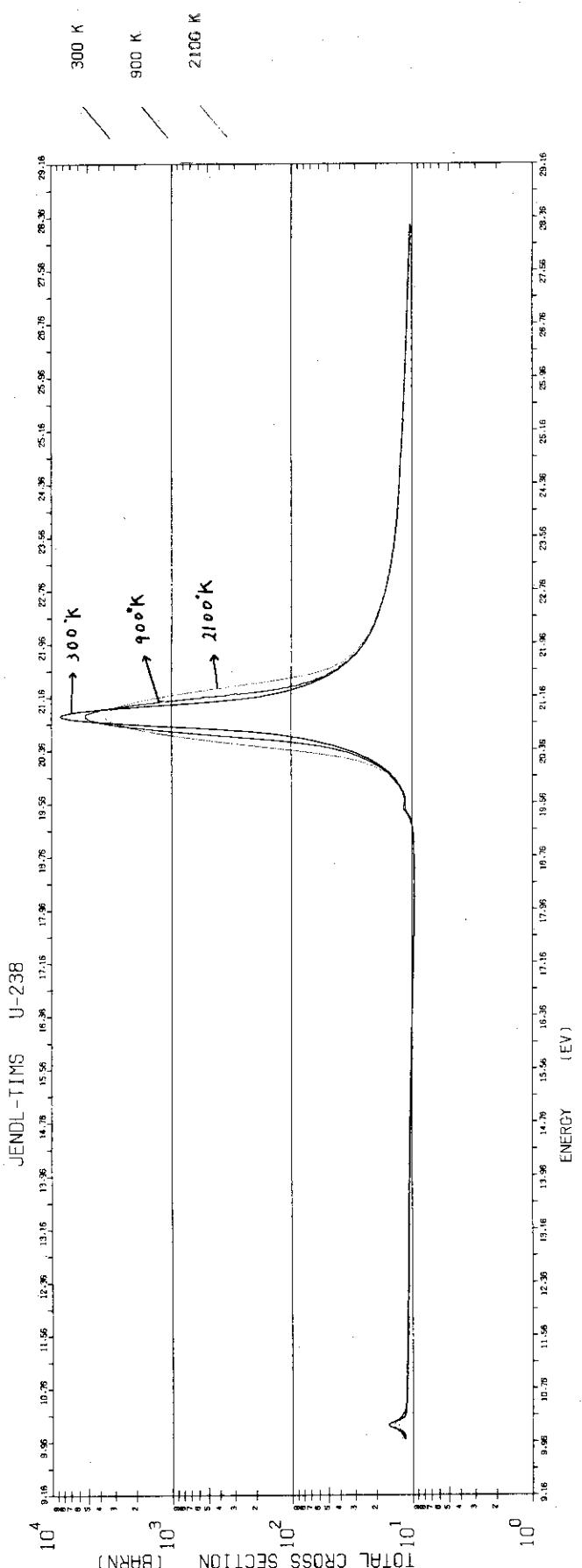
Fig. 8 Doppler broadened cross sections of ^{238}U in the energy range from 9.9 to 28 eV
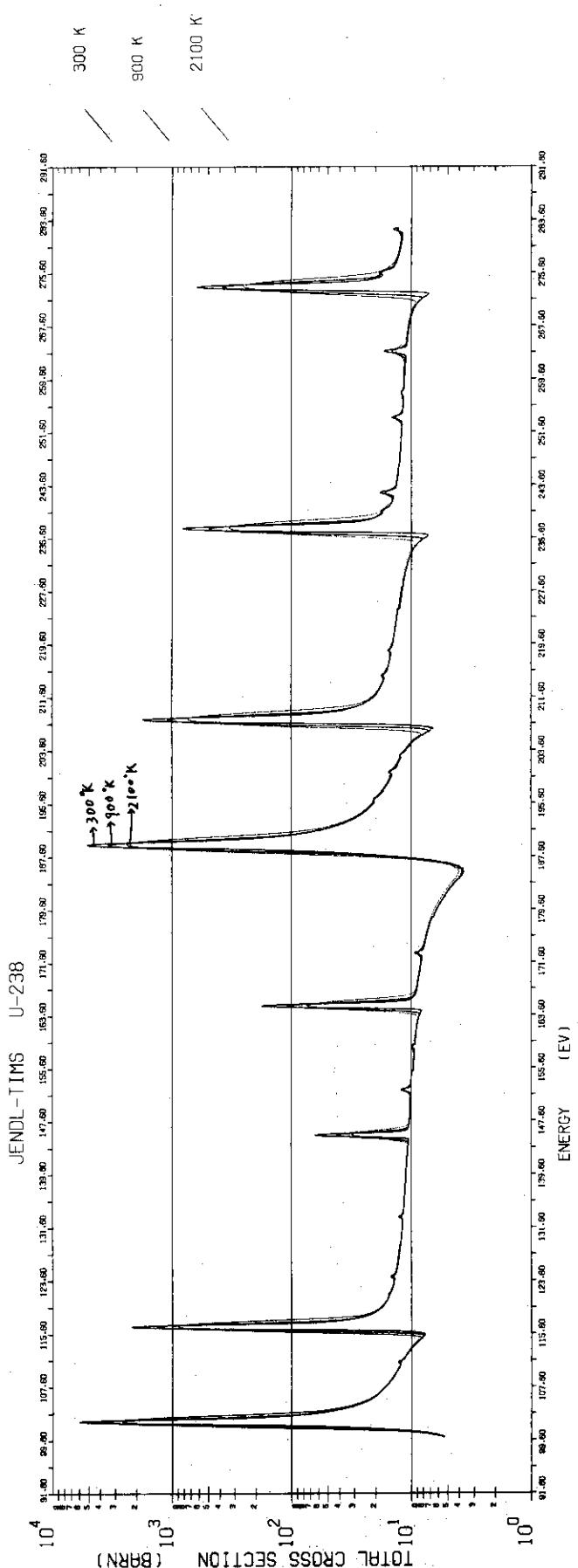
Fig. 9 Doppler broadened cross sections of ^{238}U in the energy range from 99.6 to 280 eV
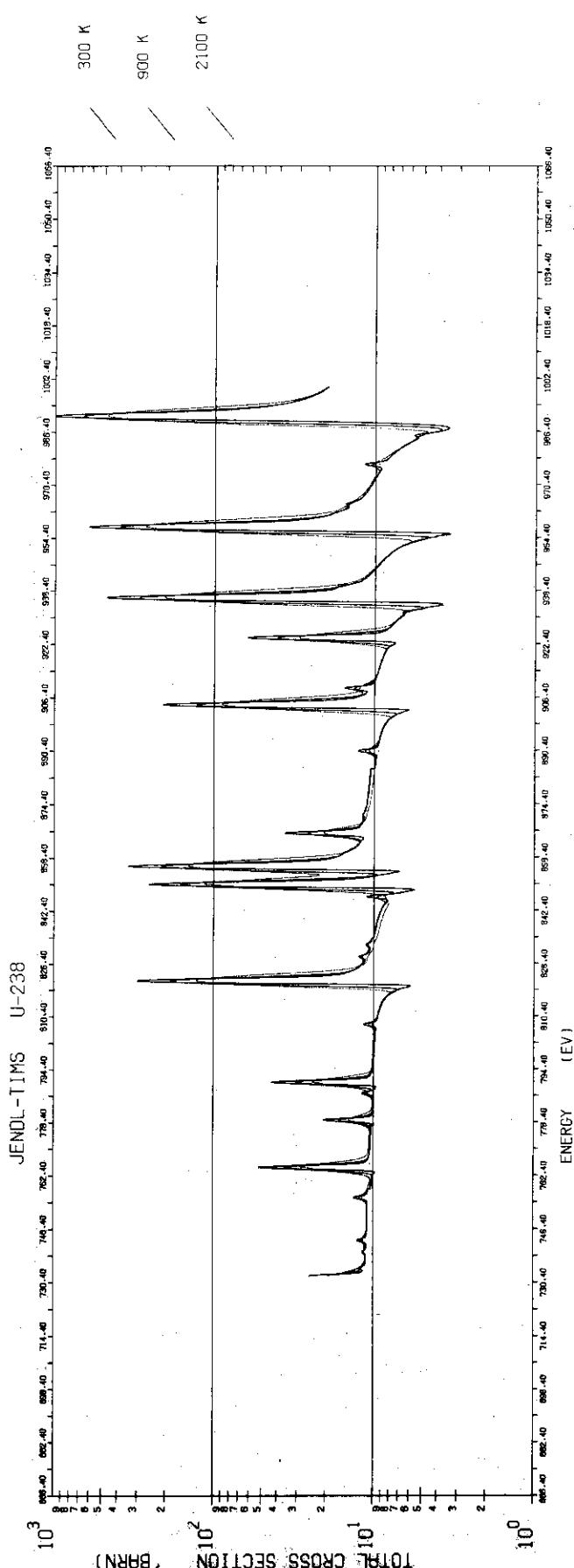
Fig. 10 Doppler broadened cross sections of ^{238}U in the energy range from 730 to 1000 eV
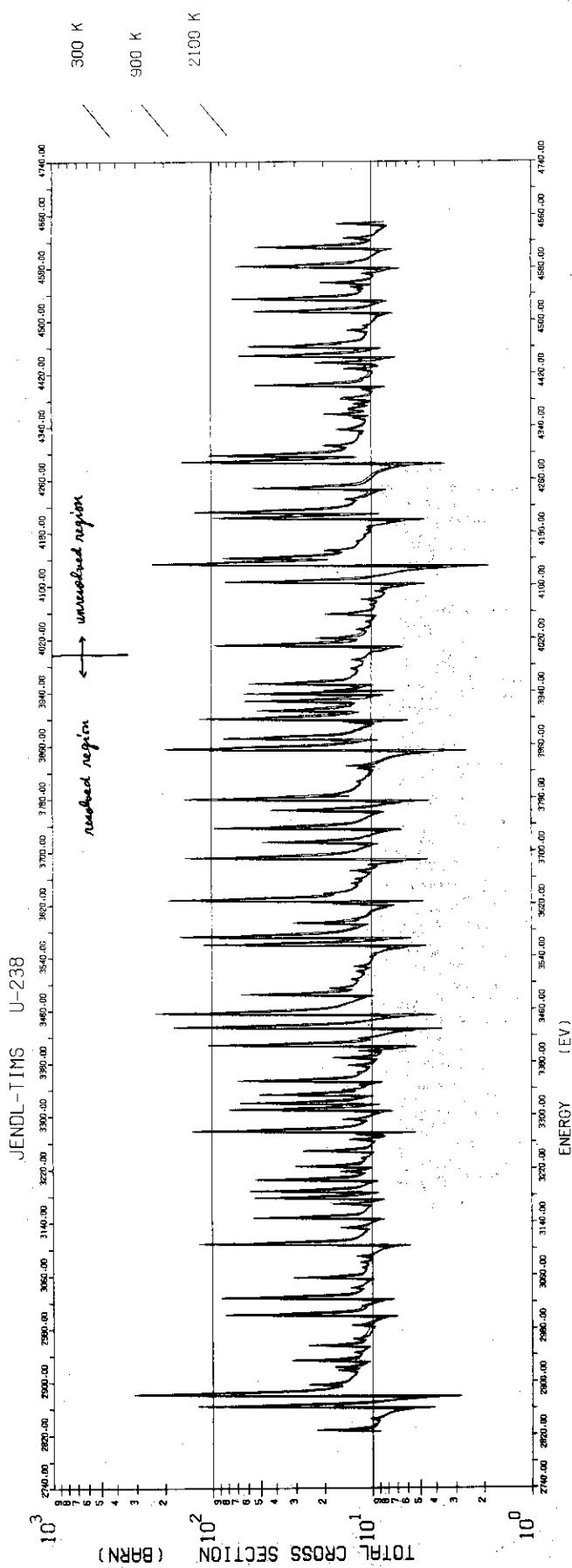
Fig. 11 Doppler broadened cross sections of ^{238}U in the energy range from 2820 to 4650 eV
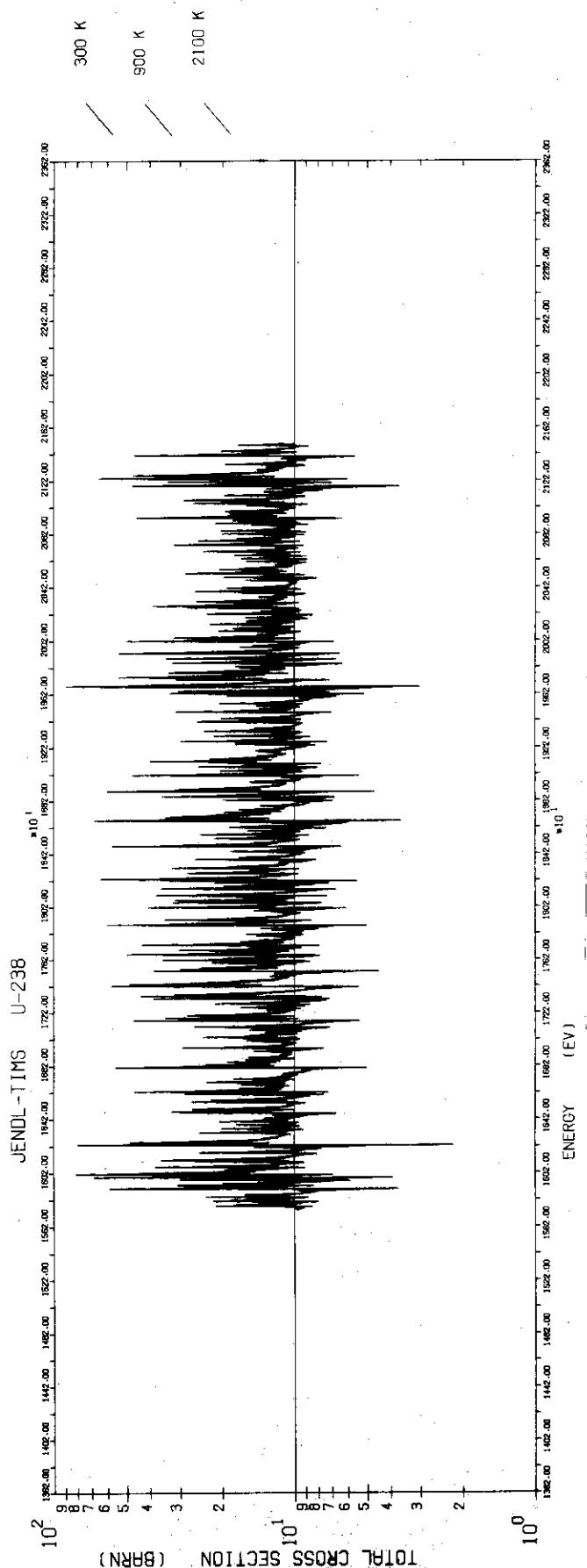
Fig. 12 Doppler broadened cross sections of ^{238}U in the energy range from 15.62 to 21.5 keV
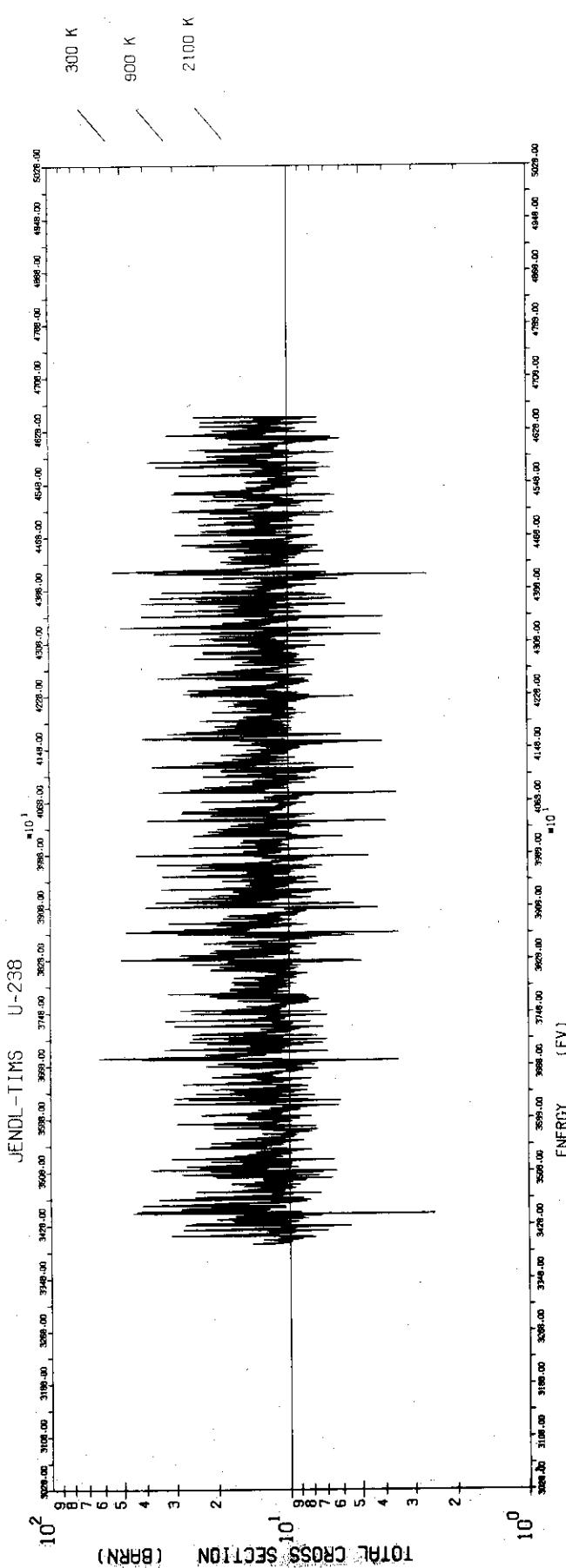
Fig. 13 Doppler broadened cross sections of ^{238}U in the energy range from 34 to 46.5 keV
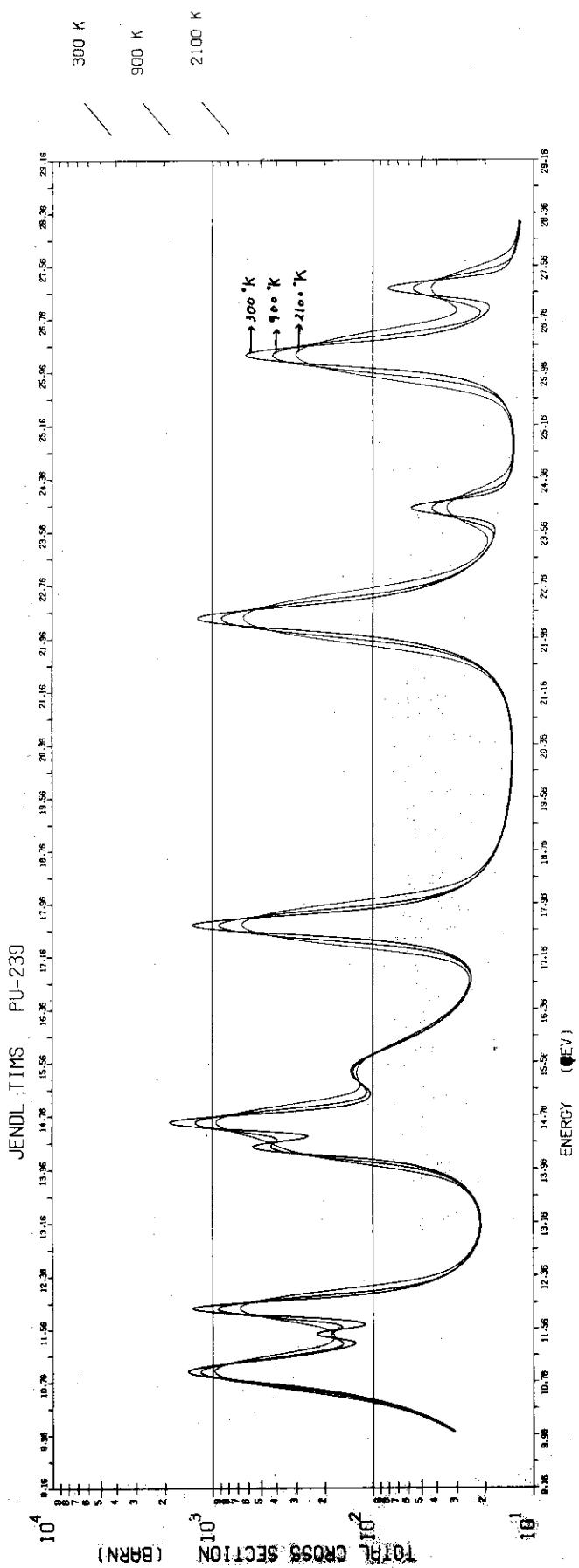
Fig. 14 Doppler broadened cross sections of ^{239}Pu in the energy range from 9.96 to 27.8 eV
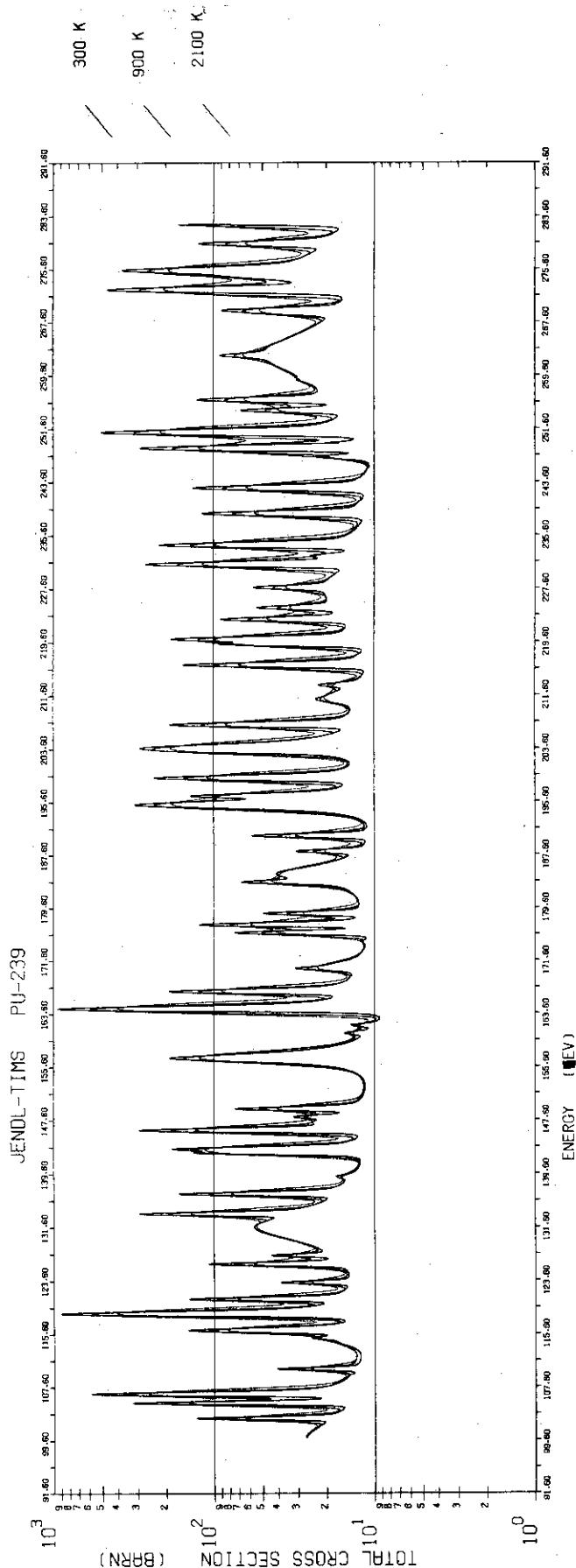
Fig. 15 Doppler broadened cross sections of ^{239}Pu in the energy range from 99.6 to 278 eV
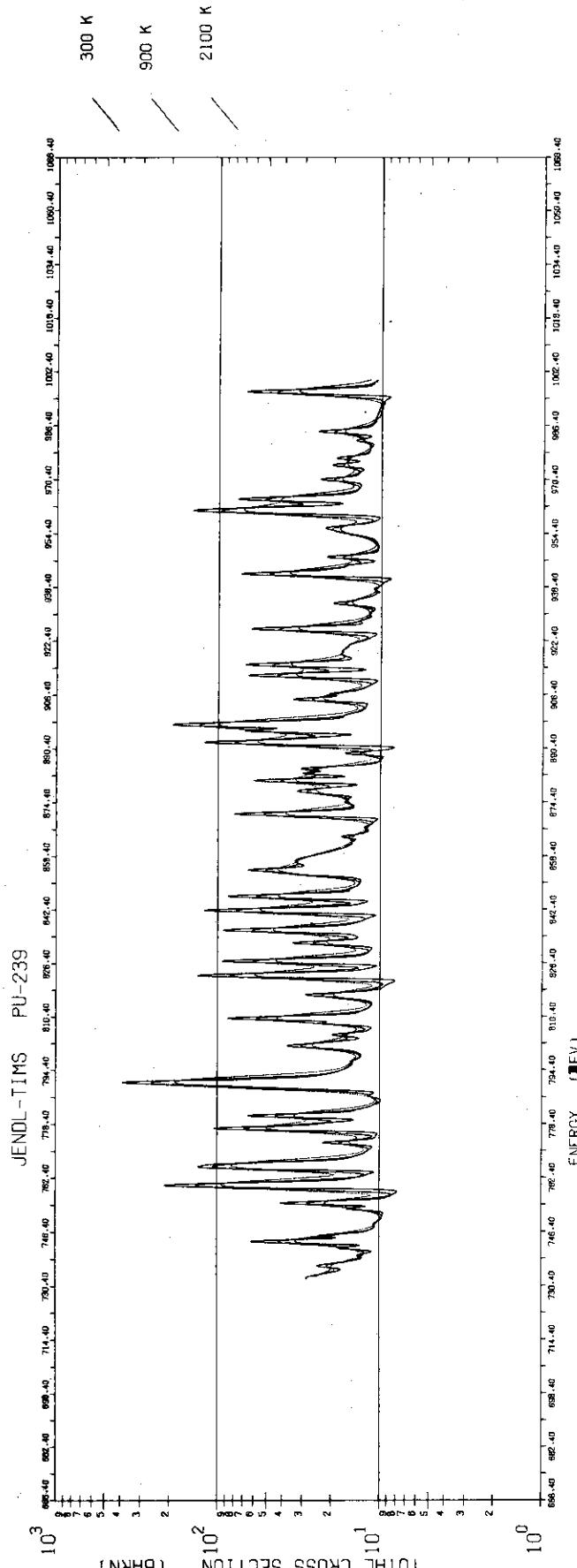
Fig. 16 Doppler broadened cross sections of ^{239}Pu in the energy range from 728 to 7000 eV
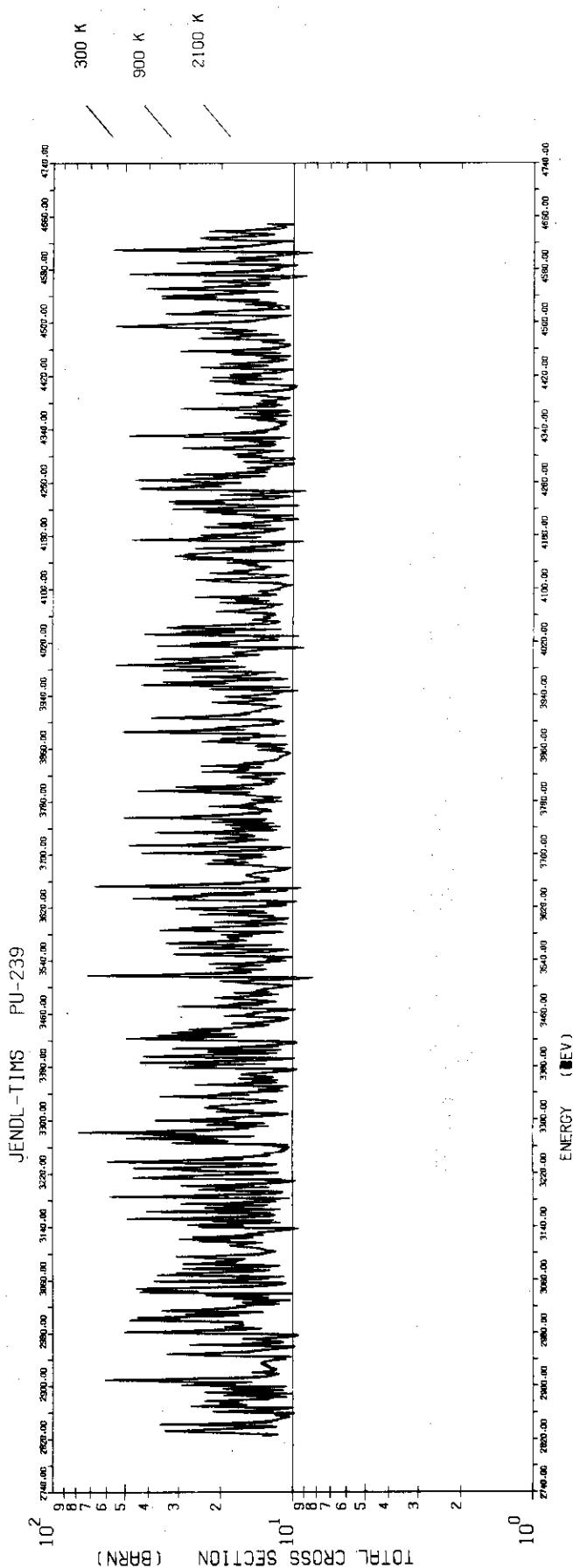
Fig. 17 Doppler broadened cross sections of ^{239}Pu in the energy range from 2780 to 4650 eV
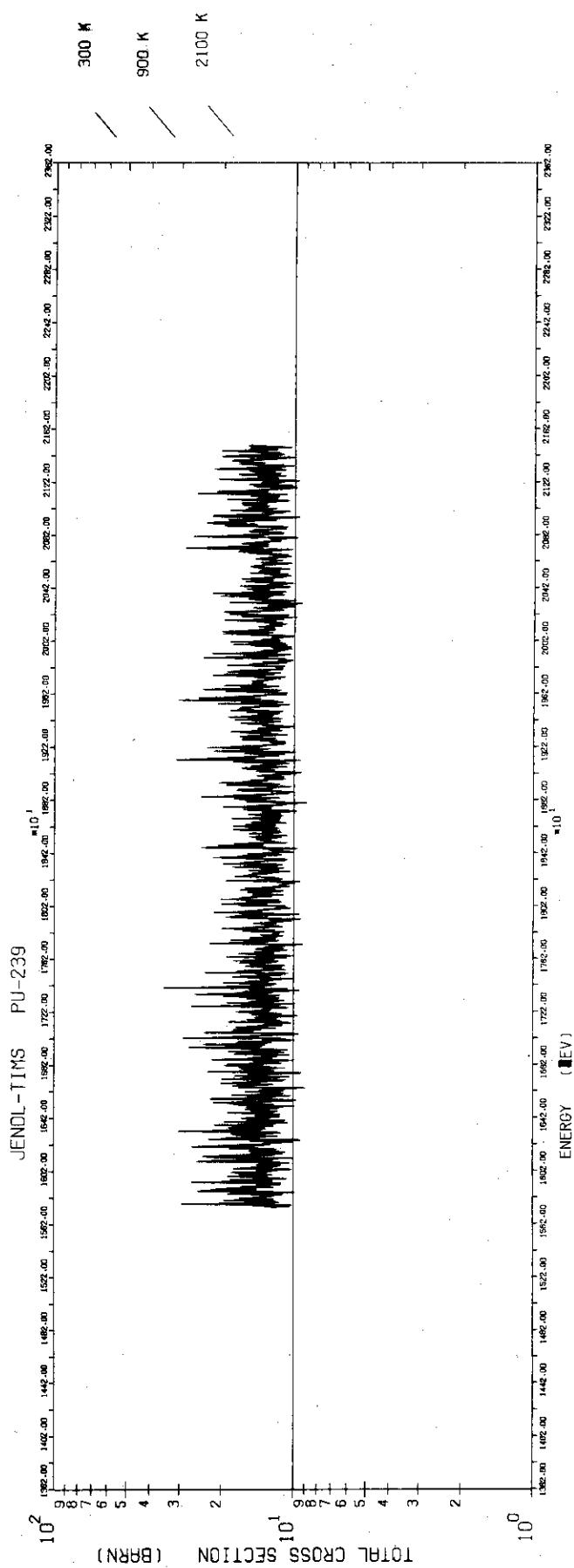
Fig. 18 Doppler broadened cross sections of ^{239}Pu in the energy range from 15.62 to 21.5 keV
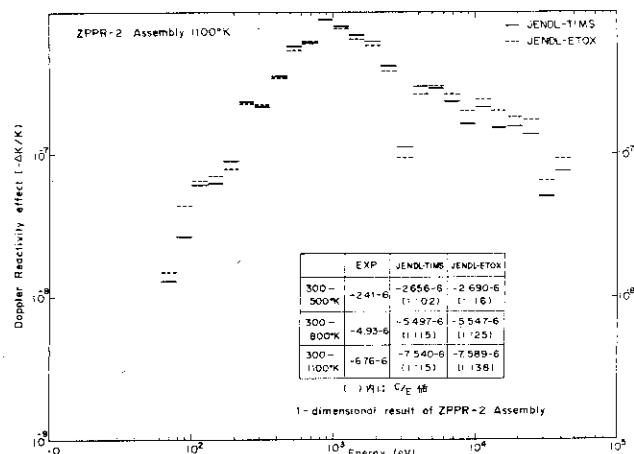
Fig. 19 Energy group-wise contribution of Doppler
reactivity effect calculated by one-dimensional
first order perturbation code for ZPPR assembly 2
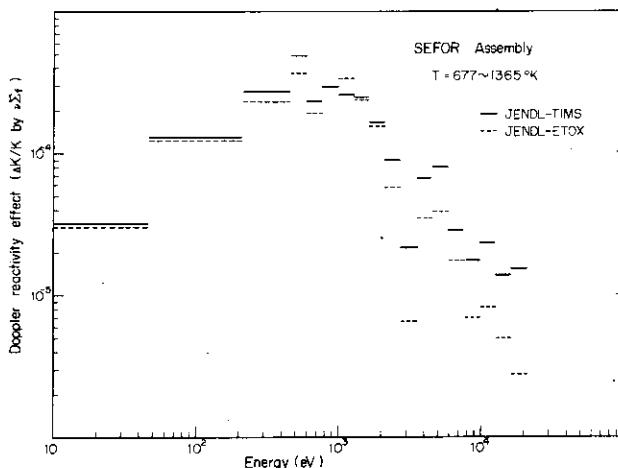
Fig. 20 Energy group-wise contribution of fission Doppler
effect calculated by two-dimensional first order
perturbation code for SEFOR assembly
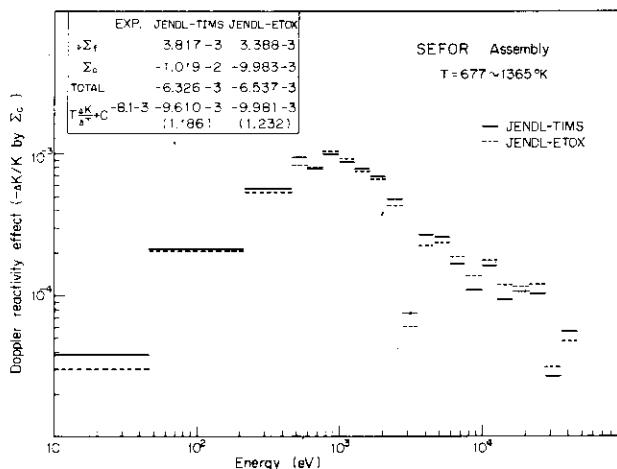
Fig. 21 Energy group-wise contribution of capture Doppler
effect calculated by two-dimensional first order
perturbation code for SEFOR assembly

APPENDIX : Tables of 70 Group Constants of ^{235}U, ^{238}U, ^{239}Pu, ^{240}Pu

and ^{241}Pu Prouduced by the Processing Code TIMS Using the Evaluated

Nuclear Data of JENDL-1

The results calculated with the TIMS code were arranged in the

conventional form of the infinitely dilute cross sections and the reso-

nance shielding factors. As already described in Chapter 2, the TIMS code

can calculate the resonance shielding factors depending on the three

variables; composition (σ_o), temperature (T) and mutual interference

parameter (R), where R is defined by

$$R = {}^{238}N/{}^{235}N, \quad {}^{238}N/{}^{239}N \text{ or } {}^{238}N/{}^{240}N \quad .$$

In the present calculation, the two R-values were selected so as to cover

the practical range of R depending on another composition variable σ_o of the

Bondarenko's type. These R-values are shown in Table A-1. The composition

variable σ_o considered for the calculation of effective cross sections

without the mutual interference effect are shown in Table A-2. The

considered temperatures were 300, 900 and 2100°K. The group constants

depending on these variables were calculated with the group structure as

shown in Table A-3. The group constants depending on the R-parameters are

tabulated in Tables A-4.1 ~ 4.5, and those without considering the mutual

interference effect are also tabulated in Tables A-5.1 ~ 5.5.

Table A-1. Values of atomic density ratios, R_1 and R_2 used for the consideration of the mutual interference effect of heavy nuclides with ^{238}U

σ_o (barns)	U-235		Pu-239		Pu-240	
	R_1	R_2	R_1	R_2	R_1	R_2
10000.	250.	500.	500.	1000.	200.	500.
1000.	25.	50.	50.	100.	20.	50.
100.	1.	5.	5.	10.	5.	15.
10.	0.2	0.6	1.	2.	—	—

Table A-2. Values of composition variable σ_o used for the calculation of the resonance shielding factors without the mutual interference effect

Nuclide	σ_o (barns)
U-235	0, 10, 100, 1000
U-238	0, 1, 10, 100, 1000
Pu-239	0, 10, 100, 1000
Pu-240	0, 100, 1000, 10000
Pu-241	0, 10, 100, 1000, 10000

Table A-3.   70-group structure

Group	Upper energy		Lower energy	Lethargy width
1	10.5	(MeV)	8.3	0.2351
2	8.3	(MeV)	6.5	0.2445
3	6.5	(MeV)	5.1	0.2426
4	5.1	(MeV)	4.0	0.2429
5	4.0	(MeV)	3.1	0.2549
6	3.1	(MeV)	2.5	0.2151
7	2.5	(MeV)	1.9	0.2744
8	1.9	(MeV)	1.4	0.3054
9	1.4	(MeV)	1.1	0.2412
10	1.1	(MeV)	0.8	0.3185
11	0.8	(MeV)	0.63	0.2389
12	0.63	(MeV)	0.50	0.2311
13	0.50	(MeV)	0.4	0.2231
14	0.4	(MeV)	0.31	0.2549
15	0.31	(MeV)	0.25	0.2151
16	0.25	(MeV)	0.2	0.2231
17	0.2	(MeV)	0.15	0.2877
18	0.15	(MeV)	0.12	0.2231
19	0.12	(MeV)	0.1	0.1823
20	100	(KeV)	77.3	0.2575
21	77.3	(KeV)	59.8	0.2567
22	59.8	(KeV)	46.5	0.2516
23	46.5	(KeV)	36.0	0.2559
24	36.0	(KeV)	27.8	0.2585
25	27.8	(KeV)	21.5	0.2570
26	21.5	(KeV)	16.6	0.2587
27	16.6	(KeV)	12.9	0.2522
28	12.9	(KeV)	10.0	0.2546
29	10.0	(KeV)	....	0.2575
30	7.73	(KeV)	5.98	0.2567
31	5.98	(KeV)	4.65	0.2516
32	4.65	(KeV)	3.60	0.2559
33	3.60	(KeV)	2.78	0.2585
34	2.78	(KeV)	2.15	0.2570
35	2.15	(KeV)	1.66	0.2587
36	1.66	(KeV)	1.29	0.2522
37	1.29	(KeV)	1.0	0.2546
38	1000	(eV)	773	0.2575
39	773	(eV)	598	0.2567
40	598	(eV)	465	0.2516
41	465	(eV)	360	0.2559
42	360	(eV)	278	0.2585
43	278	(eV)	215	0.2570
44	215	(eV)	166	0.2587
45	166	(eV)	129	0.2522
46	129	(eV)	100	0.2546
47	100	(eV)	77.3	0.2575

Table A-3.   (Continued)

Group	Upper energy	Lower energy	Lethargy width
48	77.3 (eV)	59.8	0.2567
49	59.8 (eV)	46.5	0.2516
50	46.5 (eV)	36.0	0.2559
51	36.0 (eV)	27.8	0.2585
52	27.8 (eV)	21.5	0.2570
53	21.5 (eV)	16.6	0.2587
54	16.6 (eV)	12.9	0.2522
55	12.9 (eV)	10.0	0.2546
56	10.0 (eV)	7.73	0.2575
57	7.73 (eV)	5.98	0.2567
58	5.98 (eV)	4.65	0.2516
59	4.65 (eV)	3.60	0.2559
60	3.60 (eV)	2.78	0.2585
61	2.78 (eV)	2.15	0.2570
62	2.15 (eV)	1.66	0.2587
63	1.66 (eV)	1.29	0.2522
64	1.29 (eV)	1.0	0.2546
65	1.0 (eV)	0.773	0.2575
66	0.773(eV)	0.598	0.2567
67	0.598(eV)	0.465	0.2516
68	0.465(eV)	0.360	0.2559
69	0.360(eV)	0.278	0.2585
70	0.278(eV)	0.215	0.2570

Table A-4.1.1 INFINITE DILUTION CROSS SECTION CODE NO = 925   U-235 .... PAGE 1

GROUP	TOTAL	FISSION	NU	CAPTURE	INELASTIC	ELASTIC	MU	ELAS REMOVAL
26	1.45813E 01	2.38109E 00	2.44418E 00	8.83060E-01	1.75922E-02	1.12995E 01	2.12126E-02	3.69995E-01
27	1.49941E 01	2.58063E 00	2.44388E 00	9.69978E-01	6.96995E-03	1.14366E 01	1.66317E-02	3.85692E-01
28	1.55631E 01	2.87766E 00	2.44330E 00	1.11000E 00	5.95486E-05	1.15750E 01	1.31874E-02	3.87826E-01
29	1.61831E 01	3.15208E 00	2.44301E 00	1.30421E 00	1.45028E-05	1.17268E 01	1.05408E-02	3.88034E-01
30	1.65702E 01	3.50213E 00	2.44300E 00	1.32106E 00	6.99843E-06	1.17470E 01	7.72386E-03	3.92027E-01
31	1.71172E 01	3.93810E 00	2.44300E 00	1.41234E 00	3.12726E-06	1.17867E 01	2.86092E-03	4.01830E-01
32	1.76327E 01	4.56539E 00	2.44257E 00	1.46552E 00	7.86141E-07	1.18017E 01	2.86092E-03	3.94320E-01
33	1.84798E 01	5.04807E 00	2.44202E 00	1.60043E 00	6.10904E-07	1.18313E 01	2.86092E-03	3.93394E-01
34	1.95329E 01	5.60394E 00	2.44200E 00	1.98740E 00	5.68003E-07	1.19415E 01	2.86092E-03	3.99481E-01
35	2.10233E 01	6.53484E 00	2.44200E 00	2.42757E 00	5.25078E-07	1.20609E 01	2.86092E-03	4.01012E-01
36	2.26783E 01	7.46716E 00	2.44177E 00	3.01535E 00	4.82570E-07	1.21958E 01	2.86092E-03	4.16210E-01
37	2.39435E 01	7.64118E 00	2.44257E 00	3.95429E 00	4.40634E-07	1.23481E 01	2.86092E-03	4.17543E-01
38	2.51666E 01	8.44090E 00	2.44200E 00	4.37837E 00	3.98207E-07	1.23373E 01	2.86092E-03	4.11673E-01
39	2.87130E 01	1.17926E 01	2.44200E 00	4.55632E 00	3.54464E-07	1.23641E 01	2.86092E-03	4.10579E-01
40	3.16305E 01	1.47675E 01	2.44200E 00	4.56826E 00	3.12953E-07	1.22947E 01	2.86092E-03	4.15764E-01
41	3.13468E 01	1.37452E 01	2.44200E 00	5.36873E 00	2.70859E-07	1.22329E 01	2.86092E-03	4.10576E-01
42	3.49695E 01	1.54409E 01	2.44200E 00	7.10672E 00	2.27978E-07	1.24218E 01	2.86092E-03	4.16422E-01
43	4.21060E 01	2.03662E 01	2.44200E 00	9.03824E 00	1.85079E-07	1.27016E 01	2.86092E-03	4.22817E-01
44	4.39830E 01	2.09989E 01	2.44200E 00	1.03412E 01	1.42215E-07	1.26430E 01	2.86092E-03	4.16765E-01
45	4.56591F 01	2.13632E 01	2.44200E 00	1.17277E 01	9.97265E-08	1.25682E 01	2.86092E-03	4.26549E-01
46	4.91890E 01	2.29316E 01	2.44200E 00	1.36203E 01	5.75729E-08	1.25770E 01	2.86092E-03	4.22957E-01
47	4.99671E 01	2.34708E 01	2.44200E 00	1.39664E 01	1.54705E-08	1.25300E 01	2.86092E-03	4.18341E-01
48	4.68345E 01	2.50013E 01	2.44200E 00	9.36511E 00	0.0	1.24680E 01	2.86092E-03	4.40106E-01
49	9.63383E 01	5.75594E 01	2.44200E 00	2.59152E 01	0.0	1.28637E 01	2.86092E-03	3.82233E-01
50	5.90441E 01	3.08162F 01	2.44200E 00	1.59241E 01	0.0	1.23038E 01	2.86092E-03	4.84894E-01
51	1.06761E 02	5.77566E 01	2.44200E 00	3.60907E 01	0.0	1.29142E 01	2.86092E-03	4.16383E-01
52	7.19767E 01	4.06357E 01	2.44200E 00	1.96534E 01	0.0	1.16876E 01	2.86092E-03	4.18007E-01
53	1.30279E 02	7.14923E 01	2.44200E 00	4.53734E 01	0.0	1.34132E 01	2.86092E-03	3.82534E-01
54	6.34381E 01	3.48521E 01	2.44200E 00	1.74282E 01	0.0	1.11578E 01	2.86092E-03	4.20950E-01
55	1.29916E 02	4.66967E 01	2.44200E 00	7.10536E 01	0.0	1.21657E 01	2.86092E-03	3.60870E-01
56	1.48034E 02	1.00457F 02	2.44200E 00	3.55897E 01	0.0	1.15865E 01	2.86092E-03	3.32930E-01
57	9.71322E 01	3.15094E 01	2.44200E 00	5.48149E 01	0.0	1.08579E 01	2.86092E-03	3.24433E-01
58	4.36774E 01	1.19784E 01	2.44200E 00	2.10201E 01	0.0	1.06789E 01	2.86092E-03	3.57127E-01
59	2.99846E 01	1.07794E 01	2.44200E 00	8.05477E 00	0.0	1.11504E 01	2.86092E-03	4.01170E-01
60	5.21504E 01	3.07195F 01	2.44200E 00	1.01289E 01	0.0	1.13021E 01	2.86092E-03	3.83018E-01
61	2.43576E 01	9.78845E 00	2.44200E 00	2.79796E 00	0.0	1.17714E 01	2.86092E-03	4.00183E-01
62	4.10477E 01	1.57944E 01	2.44200E 00	1.31453E 01	0.0	1.21079E 01	2.86092E-03	4.06718E-01
63	3.47045E 01	1.74791F 01	2.44200E 00	4.89824E 00	0.0	1.25672E 01	2.86092E-03	4.36921E-01
64	1.06690E 02	7.48432E 01	2.44177E 00	1.90678E 01	0.0	1.29790E 01	2.86092E-03	4.33054E-01
65	7.79085E 01	5.84164E 01	2.44200E 00	6.54795E 00	0.0	1.29444E 01	2.86092E-03	4.38667E-01
66	8.10135E 01	6.15825F 01	2.44200E 00	6.09308E 00	0.0	1.34280E 01	2.86092E-03	4.54633E-01
67	1.01171E 02	7.84507E 01	2.44200E 00	8.86804E 00	0.0	1.38424E 01	2.86092E-03	4.77266E-01
68	1.45377E 02	1.13777F 02	2.44178E 00	1.73798E 01	0.0	1.42198E 01	2.86092E-03	4.81325E-01
69	2.30392E 02	1.75911E 02	2.44189E 00	4.00072E 01	0.0	1.44743E 01	2.86092E-03	4.79823E-01
70	2.44416E 02	1.85093F 02	2.44200E 00	4.47945E 01	0.0	1.45377E 01	1.39518E-02	4.86576E-01

Table A-4.1.2 SELF-SHIELDING FACTOR TABLES CODE NO = 925

GROUP	T(K)	FF1			FF2			FC1			FC2		
		10.	100.	1000.	10.	100.	1000.	10.	100.	1000.	10.	100.	1000.
26	300.	0.9841	0.9970	1.0001	0.9859	0.9981	1.0003	0.9864	0.9975	1.0003	0.9884	0.9987	1.0006
	900.	0.9878	0.9979	1.0001	0.9890	0.9985	1.0001	0.9896	0.9983	1.0001	0.9909	0.9989	1.0003
	2100.	0.9891	0.9983	1.0000	0.9900	0.9985	0.9999	0.9906	0.9985	0.9999	0.9914	0.9987	0.9999
27	300.	0.9808	0.9950	0.9973	0.9817	0.9941	0.9965	0.9879	0.9960	0.9969	0.9882	0.9945	0.9960
	900.	0.9861	0.9963	0.9974	0.9862	0.9949	0.9964	0.9923	0.9969	0.9966	0.9919	0.9947	0.9953
	2100.	0.9884	0.9972	0.9979	0.9885	0.9959	0.9971	0.9937	0.9974	0.9968	0.9932	0.9951	0.9955
28	300.	0.9651	0.9927	0.9992	0.9668	0.9940	0.9992	0.9610	0.9920	0.9973	0.9631	0.9914	0.9965
	900.	0.9700	0.9945	0.9994	0.9726	0.9952	0.9993	0.9679	0.9938	0.9976	0.9691	0.9928	0.9968
	2100.	0.9731	0.9953	0.9995	0.9751	0.9958	0.9994	0.9710	0.9948	0.9982	0.9719	0.9938	0.9974
29	300.	0.9708	0.9939	1.0014	0.9751	0.9965	1.0014	0.9714	0.9944	1.0013	0.9759	0.9969	1.0016
	900.	0.9808	0.9961	1.0010	0.9841	0.9986	1.0018	0.9815	0.9966	1.0013	0.9848	0.9989	1.0019
	2100.	0.9857	0.9971	1.0007	0.9883	0.9991	1.0016	0.9862	0.9976	1.0014	0.9883	0.9990	1.0023
30	300.	0.9540	0.9900	0.9994	0.9596	0.9913	0.9988	0.9678	0.9941	1.0033	0.9733	0.9985	1.0047
	900.	0.9658	0.9922	0.9981	0.9694	0.9917	0.9969	0.9791	0.9962	1.0020	0.9831	0.9992	1.0029
	2100.	0.9710	0.9927	0.9968	0.9733	0.9912	0.9953	0.9845	0.9968	1.0009	0.9875	0.9991	1.0018
31	300.	0.9428	0.9858	1.0007	0.9513	0.9900	1.0014	0.9572	0.9903	1.0013	0.9644	0.9950	1.0025
	900.	0.9554	0.9897	1.0006	0.9639	0.9918	1.0004	0.9708	0.9932	1.0000	0.9754	0.9955	1.0005
	2100.	0.9638	0.9903	0.9983	0.9687	0.9902	0.9971	0.9769	0.9936	0.9980	0.9799	0.9942	0.9978
32	300.	0.9476	0.9867	0.9995	0.9541	0.9883	0.9983	0.9569	0.9901	1.0000	0.9624	0.9936	1.0003
	900.	0.9657	0.9925	1.0014	0.9717	0.9939	1.0006	0.9777	0.9970	1.0036	0.9824	1.0015	1.0049
	2100.	0.9768	0.9955	1.0030	0.9814	0.9979	1.0032	0.9876	1.0000	1.0056	0.9923	1.0061	1.0081
33	300.	0.9434	0.9895	1.0044	0.9531	0.9975	1.0063	0.9325	0.9845	0.9990	0.9410	0.9898	0.9996
	900.	0.9685	0.9979	1.0087	0.9774	1.0074	1.0121	0.9597	0.9933	1.0024	0.9667	0.9990	1.0039
	2100.	0.9821	1.0017	1.0101	0.9903	1.0122	1.0148	0.9732	0.9967	1.0026	0.9788	1.0019	1.0043
34	300.	0.9255	0.9612	1.0052	0.9374	0.9889	1.0058	0.9311	0.9821	0.9943	0.9371	0.9802	0.9904
	900.	0.9534	0.9915	1.0107	0.9645	0.9995	1.0119	0.9626	0.9931	0.9993	0.9660	0.9903	0.9956
	2100.	0.9675	0.9964	1.0141	0.9785	1.0059	1.0164	0.9789	0.9993	1.0039	0.9817	0.9978	1.0011
35	300.	0.8777	0.9593	0.9875	0.8861	0.9624	0.9868	0.8936	0.9673	0.9901	0.9014	0.9674	0.9869
	900.	0.9151	0.9724	0.9916	0.9205	0.9736	0.9908	0.9307	0.9793	0.9939	0.9361	0.9790	0.9916
	2100.	0.9363	0.9795	0.9925	0.9418	0.9782	0.9907	0.9527	0.9660	0.9966	0.9571	0.9865	0.9956
36	300.	0.8651	0.9556	0.9934	0.8795	0.9678	0.9961	0.8588	0.9553	1.0015	0.8754	0.9704	1.0043
	900.	0.9062	0.9704	0.9945	0.9180	0.9776	0.9958	0.9061	0.9721	1.0024	0.9201	0.9821	1.0041
	2100.	0.9375	0.9815	0.9988	0.9452	0.9878	1.0004	0.9375	0.9810	1.0031	0.9469	0.9889	1.0047
37	300.	0.8284	0.9369	0.9757	0.8406	0.9422	0.9736	0.8175	0.9317	0.9826	0.8324	0.9377	0.9787
	900.	0.8742	0.9570	0.9866	0.8847	0.9639	0.9867	0.8718	0.9542	0.9912	0.8846	0.9595	0.9885
	2100.	0.9053	0.9716	0.9916	0.9158	0.9815	0.9994	0.9077	0.9691	1.0000	0.9204	0.9776	0.9998
38	300.	0.7874	0.9131	0.9801	0.7999	0.9184	0.9772	0.8048	0.9176	0.9578	0.8108	0.9114	0.9504
	900.	0.8369	0.9534	0.9853	0.8446	0.9350	0.9816	0.8599	0.9388	0.9616	0.8603	0.9272	0.9538
	2100.	0.8637	0.9421	0.9808	0.8680	0.9367	0.9738	0.8913	0.9503	0.9618	0.8863	0.9340	0.9527
39	300.	0.7596	0.8907	0.9555	0.7718	0.8959	0.9509	0.7611	0.9026	0.9624	0.7733	0.9093	0.9601
	900.	0.8192	0.9142	0.9562	0.8255	0.9123	0.9506	0.8265	0.9300	0.9622	0.8321	0.9278	0.9582
	2100.	0.8616	0.9312	0.9588	0.8637	0.9241	0.9519	0.8718	0.9487	0.9658	0.8733	0.9420	0.9613
40	300.	0.7574	0.9018	1.0025	0.7760	0.9290	1.0091	0.6958	0.8789	0.9969	0.7171	0.9082	1.0030
	900.	0.8160	0.9235	0.9921	0.8299	0.9354	0.9913	0.7793	0.9166	0.9953	0.7954	0.9336	0.9969
	2100.	0.8653	0.9377	0.9839	0.8711	0.9388	0.9788	0.8464	0.9428	0.9950	0.8577	0.9518	0.9947

Table A-4.1.2 (Continued)

GROUP	T(K)	FF1 10.	FF1 100.	FF1 1000.	FF2 10.	FF2 100.	FF2 1000.	FC1 10.	FC1 100.	FC1 1000.	FC2 10.	FC2 100.	FC2 1000.
41	300.	0.7752	0.9244	0.9843	0.7901	0.9370	0.9858	0.7419	0.8990	0.9729	0.7577	0.9131	0.9737
	900.	0.8330	0.9489	0.9841	0.8432	0.9534	0.9835	0.8298	0.9362	0.9740	0.8395	0.9403	0.9727
	2100.	0.8752	0.9660	0.9865	0.8831	0.9668	0.9856	0.8856	0.9558	0.9742	0.8917	0.9551	0.9722
42	300.	0.7633	0.9205	1.0017	0.7871	0.9469	1.0080	0.7479	0.8909	0.9841	0.7688	0.9161	0.9856
	900.	0.8257	0.9529	1.0151	0.8504	0.9805	1.0237	0.8242	0.9267	0.9931	0.8433	0.9486	0.9947
	2100.	0.8713	0.9750	1.0237	0.8962	1.0023	1.0334	0.8805	0.9512	0.9992	0.8971	0.9699	1.0003
43	300.	0.6018	0.8168	0.9336	0.6157	0.8251	0.9335	0.6111	0.8487	0.9681	0.6277	0.8630	0.9731
	900.	0.6674	0.8545	0.9136	0.6752	0.8401	0.9024	0.6959	0.9103	0.9797	0.7091	0.9116	0.9813
	2100.	0.7148	0.8804	0.9042	0.7165	0.8466	0.8868	0.7442	0.9427	0.9857	0.7538	0.9319	0.9842
44	300.	0.6663	0.9180	1.0193	0.6850	0.9302	1.0239	0.6171	0.8125	0.9776	0.6364	0.8486	0.9814
	900.	0.7413	0.9722	1.0259	0.7534	0.9652	1.0284	0.7134	0.8735	0.9916	0.7283	0.9015	0.9932
	2100.	0.8007	1.0006	1.0159	0.8013	0.9688	1.0141	0.7815	0.9053	0.9897	0.7894	0.9236	0.9888
45	300.	0.6249	0.8727	0.9926	0.6403	0.8754	1.0009	0.6137	0.8671	0.9960	0.6307	0.8787	1.0056
	900.	0.6926	0.9251	1.0045	0.7057	0.9172	1.0124	0.6932	0.9261	1.0100	0.7085	0.9286	1.0199
	2100.	0.7489	0.9659	1.0142	0.7599	0.9479	1.0216	0.7502	0.9628	1.0215	0.7623	0.9587	1.0317
46	300.	0.5083	0.7032	0.9135	0.5378	0.7578	0.9100	0.4464	0.6648	0.8652	0.4702	0.7018	0.8678
	900.	0.5757	0.7480	0.9164	0.6034	0.7907	0.9089	0.5335	0.7242	0.8803	0.5532	0.7457	0.8623
	2100.	0.6401	0.7796	0.8995	0.6637	0.8090	0.8933	0.6044	0.7530	0.8486	0.6183	0.7606	0.8361
47	300.	0.6353	0.8421	0.9923	0.6479	0.8538	1.0011	0.5469	0.7960	0.9900	0.5631	0.8199	1.0025
	900.	0.7019	0.8863	1.0006	0.7103	0.8894	1.0078	0.6385	0.8671	1.0102	0.6528	0.8852	1.0222
	2100.	0.7505	0.9136	1.0052	0.7554	0.9104	1.0106	0.6969	0.9054	1.0189	0.7087	0.9187	1.0299
48	300.	0.6008	0.8363	1.0273	0.6340	0.8944	1.0541	0.5540	0.7697	0.9666	0.5718	0.8085	0.9816
	900.	0.6559	0.8841	1.0489	0.6925	0.9399	1.0736	0.6303	0.8536	0.9913	0.6515	0.8724	1.0060
	2100.	0.7305	0.9396	1.0827	0.7732	0.9946	1.1052	0.7273	0.9097	1.0389	0.7538	0.9491	1.0518
49	300.	0.6021	0.7787	0.9638	0.6156	0.8078	0.9706	0.5631	0.7427	0.9512	0.5763	0.7760	0.9586
	900.	0.6857	0.8367	0.9798	0.6962	0.8579	0.9841	0.6629	0.8161	0.9706	0.6729	0.8396	0.9752
	2100.	0.7599	0.8807	0.9920	0.7666	0.8938	0.9931	0.7478	0.8693	0.9828	0.7538	0.8836	0.9853
50	300.	0.7417	0.8907	1.0606	0.7806	0.9589	1.0788	0.5768	0.8026	1.0945	0.6296	0.9158	1.1309
	900.	0.8111	0.9480	1.0854	0.8493	1.0085	1.0993	0.6696	0.8925	1.1292	0.7255	0.9971	1.1591
	2100.	0.8931	1.0137	1.1148	0.9289	1.0618	1.1256	0.7774	0.9659	1.1676	0.8350	1.0762	1.1925
51	300.	0.3135	0.5652	1.0183	0.3191	0.5589	1.0159	0.3267	0.5567	0.9726	0.3332	0.5555	0.9688
	900.	0.3626	0.6223	1.0795	0.3677	0.6089	1.0557	0.3903	0.6315	1.0295	0.3958	0.6204	1.0073
	2100.	0.4290	0.6758	1.2082	0.4320	0.6547	1.0957	0.4698	0.6928	1.1225	0.4720	0.6722	1.0333
52	300.	0.7599	0.9092	1.0158	0.6332	0.9106	1.0329	0.3791	0.5851	0.9137	0.4294	0.6842	0.9383
	900.	0.8264	0.9487	1.0264	0.6763	0.9411	1.0425	0.4231	0.6359	0.9364	0.4829	0.7400	0.9577
	2100.	0.8965	0.9938	1.0360	0.7320	0.9705	1.0531	0.4653	0.6744	0.9567	0.5477	0.7886	0.9771
53	300.	0.3387	0.5196	0.7854	0.3393	0.4972	0.7831	0.2767	0.4753	0.6754	0.2606	0.3811	0.6506
	900.	0.3714	0.5605	0.8271	0.3681	0.5291	0.8195	0.3044	0.5087	0.7022	0.2806	0.4003	0.6750
	2100.	0.4284	0.6406	0.8961	0.4216	0.5822	0.8706	0.3498	0.5661	0.7596	0.3171	0.4379	0.7134
54	300.	0.6624	0.8255	0.9744	0.6740	0.8793	0.9899	0.6804	0.8826	0.9840	0.6925	0.8385	0.9456
	900.	0.7636	0.8887	0.9941	0.7628	0.9263	1.0069	0.7969	0.9767	1.0068	0.8075	0.9094	0.9630
	2100.	0.8589	0.9425	1.0105	0.8628	0.9663	1.0222	0.9162	1.0407	1.0206	0.9198	0.9632	0.9718
55	300.	0.4296	0.5665	0.8701	0.4325	0.5815	0.8594	0.2396	0.4507	0.8387	0.2432	0.4506	0.8320
	900.	0.4614	0.6552	0.9248	0.4645	0.6469	0.9062	0.2742	0.5352	0.9045	0.2782	0.5318	0.8884
	2100.	0.5022	0.7374	0.9663	0.5057	0.7261	0.9407	0.3236	0.6359	0.9526	0.3278	0.6282	0.9283
56	300.	0.2621	0.4904	0.8312	0.2712	0.5083	0.8474	0.2816	0.4893	0.8298	0.2689	0.5079	0.8467
	900.	0.2723	0.5160	0.8617	0.2819	0.5354	0.8757	0.2953	0.5189	0.8610	0.3032	0.5381	0.8755
	2100.	0.2907	0.5532	0.8949	0.3010	0.5742	0.9070	0.3175	0.5600	0.8952	0.3262	0.5799	0.9076
57	300.	0.3511	0.6072	0.6662	0.3628	0.5716	0.6000	0.2345	0.4552	0.5416	0.2394	0.4170	0.4688
	900.	0.3769	0.6446	0.6510	0.3856	0.5889	0.5839	0.2611	0.4936	0.5174	0.2634	0.4329	0.4461
	2100.	0.4046	0.6503	0.5823	0.4071	0.5681	0.5239	0.2936	0.4953	0.4356	0.2852	0.4075	0.3789
58	300.	0.8711	0.8959	0.9525	0.8694	0.8883	0.9310	0.4411	0.7574	1.0623	0.4544	0.8165	1.1529
	900.	0.9100	0.9201	0.9548	0.9078	0.9131	0.9363	0.4966	0.8480	1.1105	0.5112	0.9005	1.1867
	2100.	0.9445	0.9490	0.9562	0.9609	0.9402	0.9421	0.5656	0.9229	1.1243	0.5813	0.9694	1.2065
59	300.	0.3743	0.7026	1.0073	0.3830	0.7292	1.0292	0.4719	0.7655	1.0135	0.4805	0.7875	1.0329
	900.	0.3955	0.7266	0.9910	0.4044	0.7481	1.0050	0.4900	0.7882	1.0029	0.4989	0.8058	1.0151
	2100.	0.4370	0.7622	0.9841	0.4459	0.7783	0.9895	0.5353	0.8377	1.0195	0.5444	0.8507	1.0236
60	300.	0.8566	0.9517	0.9879	0.8593	0.9514	0.9880	0.8314	0.9492	0.9799	0.8298	0.9446	0.9793
	900.	0.8893	0.9767	1.0023	0.8898	0.9760	1.0029	0.8789	0.9946	1.0101	0.8771	0.9898	1.0109
	2100.	0.9320	1.0057	1.0155	0.9322	1.0043	1.0169	0.9412	1.0430	1.0367	0.9395	1.0395	1.0393
61	300.	0.9946	1.0031	1.0009	0.9948	1.0021	0.9999	0.9718	0.9957	0.9994	0.9725	0.9948	0.9984
	900.	1.0022	1.0119	1.0099	1.0025	1.0108	1.0087	1.0097	1.0436	1.0484	1.0108	1.0423	1.0468
	2100.	1.0217	1.0346	1.0334	1.0221	1.0334	1.0320	1.1012	1.1670	1.1776	1.1037	1.1650	1.1738
62	300.	0.9420	0.9834	0.9990	0.9430	0.9854	1.0005	0.7237	0.9344	0.9994	0.7294	0.9447	1.0085
	900.	0.9568	0.9915	0.9994	0.9576	0.9928	1.0008	0.7762	0.9643	0.9961	0.7815	0.9712	1.0051
	2100.	0.9705	0.9960	0.9983	0.9712	0.9967	0.9996	0.8154	0.9662	0.9727	0.8195	0.9707	0.9816
63	300.	0.9770	0.9891	0.9904	0.9775	0.9891	0.9950	0.9427	0.9725	0.9910	0.9437	0.9726	0.9876
	900.	0.9852	0.9967	1.0068	0.9857	0.9987	1.0053	0.9522	0.9843	1.0037	0.9533	0.9842	1.0000
	2100.	1.0042	1.0209	1.0311	1.0047	1.0209	1.0291	0.9670	1.0043	1.0266	0.9691	1.0043	1.0224
64	300.	0.7783	0.8261	0.9631	0.7798	0.8382	0.9609	0.8685	0.9467	0.9955	0.8897	0.9504	0.9953
	900.	0.7837	0.8291	0.9592	0.7901	0.8406	0.9567	0.8950	0.9483	0.9907	0.8990	0.9515	0.9904
	2100.	0.8020	0.8304	0.9502	0.8031	0.8410	0.9474	0.9074	0.9450	0.9782	0.9062	0.9476	0.9778
65	300.	0.9997	1.0022	1.0033	0.9997	1.0018	1.0036	0.9999	1.0072	1.0104	1.0000	1.0059	1.0114
	900.	0.9997	1.0022	1.0033	0.9997	1.0018	1.0036	0.9999	1.0071	1.0103	0.9999	1.0058	1.0114
	2100.	0.9997	1.0022	1.0032	0.9997	1.0018	1.0036	0.9998	1.0070	1.0102	0.9998	1.0058	1.0115
66	300.	0.9929	0.9941	0.9958	0.9930	0.9943	0.9957	0.9909	0.9923	0.9946	0.9909	0.9926	0.9944
	900.	0.9929	0.9941	0.9959	0.9930	0.9943	0.9957	0.9909	0.9924	0.9947	0.9909	0.9926	0.9944
	2100.	0.9929	0.9941	0.9959	0.9930	0.9943	0.9956	0.9909	0.9924	0.9947	0.9909	0.9926	0.9944
67	300.	0.9859	0.9865	0.9918	0.9860	0.9869	0.9917	0.9770	0.9779	0.9867	0.9770	0.9786	0.9864
	900.	0.9859	0.9865	0.9919	0.9860	0.9869	0.9917	0.9770	0.9779	0.9868	0.9770	0.9786	0.9864
	2100.	0.9859	0.9865	0.9919	0.9860	0.9869	0.9917	0.9770	0.9779	0.9868	0.9770	0.9786	0.9864
68	300.	0.9721	0.9717	0.9821	0.9722	0.9726	0.9825	0.9426	0.9415	0.9628	0.9426	0.9434	0.9637
	900.	0.9721	0.9717	0.9821	0.9722	0.9726	0.9825	0.9424	0.9415	0.9629	0.9426	0.9434	0.9637
	2100.	0.9721	0.9717	0.9822	0.9722	0.9726	0.9825	0.9424	0.9415	0.9630	0.9426	0.9434	0.9636
69	300.	0.9823	0.9802	0.9824	0.9823	0.9807	0.9836	0.9710	0.9675	0.9709	0.9711	0.9683	0.9730
	900.	0.9823	0.9802	0.9824	0.9823	0.9807	0.9836	0.9710	0.9675	0.9710	0.9711	0.9683	0.9730
	2100.	0.9823	0.9802	0.9824	0.9823	0.9807	0.9836	0.9710	0.9675	0.9710	0.9711	0.9683	0.9729
70	300.	1.0013	1.0015	1.0048	1.0013	1.0016	1.0042	1.0019	1.0023	1.0070	1.0019	1.0023	1.0061
	900.	1.0013	1.0015	1.0048	1.0013	1.0016	1.0042	1.0019	1.0023	1.0070	1.0019	1.0023	1.0061
	2100.	1.0013	1.0015	1.0048	1.0013	1.0016	1.0042	1.0019	1.0023	1.0070	1.0019	1.0023	1.0061

Table A-4.1.2 (continued)

GROUP	T(K)	FX1 10.	FX1 100.	FX1 1000.	FX2 10.0	FX2 100.0	FX2 1000.0	FY1 10.0	FY1 100.0	FY1 1000.0	FY2 10.0	FY2 100.0	FY2 1000.0
26	300.	0.9966	0.9992	0.9996	0.9968	0.9991	0.9995	0.9938	1.0003	1.0065	1.0046	1.0143	1.0154
	900.	0.9975	0.9994	0.9997	0.9975	0.9992	0.9995	0.9959	1.0005	1.0063	1.0043	1.0118	1.0134
	2100.	0.9979	0.9996	0.9998	0.9980	0.9994	0.9994	0.9966	1.0002	1.0044	1.0032	1.0093	1.0104
27	300.	0.9979	0.9992	0.9994	0.9980	0.9990	0.9992	0.9936	0.9994	1.0068	1.0040	1.0125	1.0147
	900.	0.9989	0.9995	0.9996	0.9990	0.9992	0.9993	0.9966	0.9997	1.0055	1.0052	1.0106	1.0120
	2100.	0.9994	0.9997	0.9996	0.9994	0.9995	0.9995	0.9977	0.9998	1.0043	1.0051	1.0093	1.0103
28	300.	0.9948	0.9988	0.9997	0.9953	0.9989	0.9996	0.9840	0.9986	1.0095	0.9964	1.0142	1.0182
	900.	0.9963	0.9992	0.9998	0.9966	0.9993	0.9998	0.9885	0.9994	1.0083	0.9991	1.0135	1.0164
	2100.	0.9970	0.9995	0.9999	0.9973	0.9995	0.9999	0.9905	0.9996	1.0071	0.9994	1.0118	1.0144
29	300.	0.9956	0.9992	1.0006	0.9967	1.0002	1.0010	0.9846	0.9999	1.0126	0.9982	1.0172	1.0219
	900.	0.9975	0.9997	1.0007	0.9983	1.0005	1.0010	0.9916	1.0011	1.0120	1.0044	1.0181	1.0214
	2100.	0.9985	0.9998	1.0006	0.9992	1.0006	1.0009	0.9948	1.0013	1.0108	1.0063	1.0172	1.0199
30	300.	0.9943	0.9989	1.0006	0.9952	0.9998	1.0009	0.9777	0.9985	1.0123	0.9913	1.0163	1.0231
	900.	0.9961	0.9992	1.0002	0.9967	0.9997	1.0004	0.9859	0.9997	1.0108	0.9983	1.0157	1.0200
	2100.	0.9970	0.9993	0.9999	0.9974	0.9996	1.0001	0.9895	0.9997	1.0093	1.0005	1.0143	1.0177
31	300.	0.9933	0.9982	0.9998	0.9941	0.9987	0.9998	0.9723	0.9974	1.0152	0.9885	1.0175	1.0256
	900.	0.9954	0.9988	0.9997	0.9959	0.9989	0.9997	0.9824	0.9995	1.0146	0.9979	1.0186	1.0243
	2100.	0.9966	0.9991	0.9997	0.9969	0.9991	0.9996	0.9872	0.9996	1.0126	1.0016	1.0175	1.0220
32	300.	0.9936	0.9982	0.9996	0.9943	0.9985	0.9996	0.9694	0.9966	1.0145	0.9846	1.0132	1.0215
	900.	0.9962	0.9991	1.0001	0.9969	0.9996	1.0003	0.9844	1.0014	1.0178	1.0013	1.0213	1.0269
	2100.	0.9976	0.9996	1.0004	0.9982	1.0002	1.0006	0.9918	1.0035	1.0199	1.0100	1.0267	1.0314
33	300.	0.9931	0.9988	1.0009	0.9946	1.0004	1.0015	0.9588	0.9959	1.0163	0.9757	1.0149	1.0240
	900.	0.9961	0.9998	1.0013	0.9975	1.0015	1.0021	0.9790	1.0029	1.0209	0.9973	1.0255	1.0309
	2100.	0.9977	1.0002	1.0014	0.9989	1.0019	1.0022	0.9894	1.0054	1.0224	1.0085	1.0310	1.0346
34	300.	0.9908	0.9972	0.9988	0.9916	0.9971	0.9985	0.9503	0.9935	1.0186	0.9698	1.0144	1.0279
	900.	0.9945	0.9987	0.9996	0.9950	0.9985	0.9992	0.9756	1.0035	1.0256	0.9966	1.0264	1.0351
	2100.	0.9967	0.9997	1.0005	0.9971	0.9996	1.0002	0.9892	1.0089	1.0324	1.0135	1.0379	1.0455
35	300.	0.9862	0.9958	0.9996	0.9877	0.9965	0.9994	0.9015	0.9713	1.0071	0.9187	0.9934	1.0205
	900.	0.9913	0.9978	1.0006	0.9927	0.9987	1.0007	0.9360	0.9854	1.0140	0.9532	1.0087	1.0282
	2100.	0.9943	0.9988	1.0011	0.9957	0.9999	1.0013	0.9583	0.9932	1.0169	0.9758	1.0161	1.0298
36	300.	0.9781	0.9922	0.9989	0.9799	0.9940	0.9992	0.8750	0.9612	1.0095	0.8962	0.9867	1.0186
	900.	0.9845	0.9947	0.9992	0.9860	0.9961	0.9995	0.9159	0.9774	1.0123	0.9349	0.9999	1.0208
	2100.	0.9891	0.9965	0.9999	0.9904	0.9979	1.0003	0.9448	0.9889	1.0178	0.9636	1.0123	1.0273
37	300.	0.9687	0.9870	0.9962	0.9709	0.9878	0.9953	0.8308	0.9356	0.9910	0.8515	0.9581	0.9979
	900.	0.9770	0.9906	0.9973	0.9788	0.9910	0.9964	0.8763	0.9587	1.0033	0.8976	0.9831	1.0116
	2100.	0.9828	0.9930	0.9982	0.9842	0.9932	0.9975	0.9090	0.9751	1.0156	0.9322	1.0038	1.0261
38	300.	0.9755	0.9890	0.9947	0.9760	0.9885	0.9939	0.8203	0.9264	0.9909	0.8342	0.9384	0.9920
	900.	0.9821	0.9922	0.9954	0.9822	0.9911	0.9945	0.8652	0.9497	1.0001	0.8783	0.9603	1.0010
	2100.	0.9864	0.9940	0.9952	0.9861	0.9921	0.9939	0.8926	0.9620	1.0012	0.9056	0.9699	1.0002
39	300.	0.9712	0.9885	0.9953	0.9725	0.9896	0.9952	0.7632	0.8935	0.9680	0.7789	0.9079	0.9672
	900.	0.9799	0.9932	0.9967	0.9807	0.9942	0.9969	0.8174	0.9210	0.9730	0.8314	0.9318	0.9725
	2100.	0.9861	0.9963	0.9979	0.9867	0.9972	0.9984	0.8591	0.9399	0.9779	0.8715	0.9492	0.9783
40	300.	0.9614	0.9805	0.9947	0.9627	0.9822	0.9947	0.7263	0.8826	1.0076	0.7467	0.9194	1.0220
	900.	0.9704	0.9850	0.9937	0.9708	0.9846	0.9930	0.7890	0.9148	1.0020	0.8071	0.9391	1.0076
	2100.	0.9782	0.9887	0.9940	0.9781	0.9874	0.9931	0.8457	0.9388	1.0021	0.8630	0.9585	1.0055
41	300.	0.9788	0.9931	0.9977	0.9802	0.9942	0.9980	0.7387	0.8960	0.9837	0.7565	0.9190	0.9890
	900.	0.9852	0.9961	0.9974	0.9860	0.9963	0.9976	0.8027	0.9284	0.9845	0.8188	0.9458	0.9889
	2100.	0.9895	0.9978	0.9974	0.9900	0.9975	0.9976	0.8527	0.9506	0.9877	0.8683	0.9666	0.9937
42	300.	0.9876	0.9951	1.0009	0.9895	0.9974	1.0013	0.7426	0.9052	1.0122	0.7702	0.9478	1.0262
	900.	0.9915	0.9970	1.0017	0.9932	0.9991	1.0019	0.8064	0.9466	1.0289	0.8361	0.9879	1.0436
	2100.	0.9944	0.9984	1.0020	0.9957	1.0000	1.0020	0.8598	0.9757	1.0396	0.8905	1.0134	1.0528
43	300.	0.9449	0.9714	0.9910	0.9470	0.9731	0.9904	0.6020	0.7862	0.9372	0.6191	0.8126	0.9476
	900.	0.9544	0.9785	0.9896	0.9565	0.9779	0.9881	0.6575	0.8323	0.9287	0.6748	0.8483	0.9292
	2100.	0.9612	0.9836	0.9898	0.9628	0.9809	0.9879	0.6963	0.8558	0.9239	0.7116	0.8638	0.9212
44	300.	0.9577	0.9749	0.9913	0.9591	0.9778	0.9921	0.5907	0.8121	0.9945	0.6124	0.8488	1.0053
	900.	0.9645	0.9797	0.9904	0.9651	0.9812	0.9907	0.6605	0.8778	1.0091	0.6805	0.8999	1.0149
	2100.	0.9708	0.9827	0.9898	0.9705	0.9836	0.9901	0.7272	0.9201	1.0059	0.7395	0.9205	1.0052
45	300.	0.9714	0.9877	0.9975	0.9724	0.9879	0.9980	0.5910	0.8088	0.9880	0.6110	0.8387	1.0068
	900.	0.9754	0.9914	0.9981	0.9766	0.9913	0.9988	0.6459	0.8667	1.0065	0.6679	0.8922	1.0260
	2100.	0.9787	0.9936	0.9977	0.9799	0.9930	0.9985	0.6931	0.9114	1.0187	0.7138	0.9299	1.0382
46	300.	0.8981	0.9232	0.9609	0.9029	0.9306	0.9545	0.4644	0.6340	0.8563	0.4888	0.6902	0.8636
	900.	0.9113	0.9337	0.9610	0.9154	0.9380	0.9540	0.5268	0.6899	0.8653	0.5516	0.7337	0.8674
	2100.	0.9211	0.9389	0.9540	0.9244	0.9399	0.9483	0.6014	0.7416	0.8732	0.6247	0.7744	0.8752
47	300.	0.9629	0.9795	1.0019	0.9655	0.9835	1.0048	0.5572	0.7656	0.9877	0.5722	0.7996	1.0127
	900.	0.9662	0.9840	1.0034	0.9692	0.9884	1.0065	0.6179	0.8287	1.0119	0.6337	0.8608	1.0366
	2100.	0.9676	0.9872	1.0046	0.9709	0.9917	1.0077	0.6686	0.8697	1.0278	0.6845	0.9027	1.0529
48	300.	0.9831	0.9894	0.9960	0.9847	0.9920	0.9958	0.5366	0.7697	1.0230	0.5967	0.8488	1.0558
	900.	0.9896	0.9958	1.0002	0.9915	0.9983	1.0001	0.6065	0.8316	1.0502	0.6518	0.9084	1.0766
	2100.	0.9942	0.9998	1.0019	0.9959	1.0016	1.0018	0.6906	0.9101	1.0915	0.7433	0.9800	1.1129
49	300.	0.9700	0.9888	1.0023	0.9712	0.9894	1.0034	0.4646	0.6549	0.9275	0.4783	0.6665	0.9400
	900.	0.9810	0.9958	1.0092	0.9819	0.9991	1.0093	0.5489	0.7328	0.9556	0.5621	0.7682	0.9645
	2100.	0.9873	1.0059	1.0142	0.9878	1.0037	1.0122	0.6425	0.7991	0.9746	0.6528	0.8254	0.9802
50	300.	0.9610	0.9710	0.9823	0.9581	0.9700	0.9804	0.6639	0.8338	1.0790	0.7112	0.9201	1.0925
	900.	0.9628	0.9725	0.9799	0.9599	0.9709	0.9781	0.7350	0.9022	1.1037	0.7839	0.9815	1.1120
	2100.	0.9646	0.9736	0.9768	0.9610	0.9711	0.9760	0.8243	0.9808	1.1257	0.8660	1.0394	1.1311
51	300.	0.8530	0.9102	1.0164	0.8541	0.9072	1.0150	0.2494	0.4155	0.9013	0.2559	0.4334	0.9164
	900.	0.8629	0.9223	1.0328	0.8639	0.9172	1.0253	0.2782	0.4694	0.9746	0.2858	0.4864	0.9702
	2100.	0.8757	0.9336	1.0711	0.8761	0.9239	1.0367	0.3298	0.5292	1.0882	0.3361	0.5401	1.0090
52	300.	0.9583	0.9809	0.9957	0.9800	0.9886	0.9966	0.5668	0.7394	0.9853	0.5084	0.8069	1.0151
	900.	0.9616	0.9827	0.9962	0.9816	0.9901	0.9970	0.6266	0.7900	1.0057	0.5444	0.8566	1.0327
	2100.	0.9652	0.9848	0.9973	0.9844	0.9919	0.9979	0.6973	0.8375	1.0236	0.5986	0.9022	1.0485
53	300.	0.8502	0.9233	0.9728	0.8365	0.8671	0.9606	0.2628	0.3965	0.6957	0.2639	0.3861	0.7100
	900.	0.8441	0.9300	0.9818	0.8314	0.8669	0.9668	0.2783	0.4290	0.7590	0.2776	0.4074	0.7601
	2100.	0.8504	0.9440	0.9974	0.8398	0.8774	0.9760	0.3140	0.5016	0.8483	0.3109	0.4461	0.8116
54	300.	0.9818	0.9866	0.9980	0.9832	0.9957	1.0013	0.5750	0.7660	0.9618	0.5883	0.8058	0.9646
	900.	0.9910	0.9929	0.9990	0.9918	0.9981	1.0010	0.6713	0.8485	0.9794	0.6639	0.8686	0.9775
	2100.	0.9950	0.9950	0.9993	0.9954	0.9991	1.0015	0.7881	0.9184	0.9898	0.7966	0.9210	0.9849
55	300.	0.8856	0.9272	0.9812	0.8873	0.9269	0.9787	0.2828	0.3866	0.7318	0.2858	0.3957	0.7456
	900.	0.8885	0.9382	0.9905	0.8901	0.9373	0.9861	0.2907	0.4290	0.8165	0.2944	0.4437	0.8226
	2100.	0.8955	0.9530	0.9969	0.9033	0.9511	0.9956	0.3014	0.4934	0.8892	0.3082	0.5141	0.8858
56	300.	0.9176	0.9625	0.9952	0.9200	0.9635	0.9964	0.2104	0.3765	0.7320	0.2226	0.4100	0.7654
	900.	0.9165	0.9629	0.9973	0.9190	0.9664	0.9982	0.2116	0.3880	0.7704	0.2241	0.4256	0.8029
	2100.	0.9177	0.9656	0.9996	0.9202	0.9693	1.0002	0.2156	0.4080	0.8147	0.2290	0.4506	0.8455
57	300.	0.9720	0.9792	0.9839	0.9709	0.9767	0.9809	0.2430	0.3998	0.4773	0.2429	0.3536	0.4007
	900.	0.9702	0.9782	0.9821	0.9694	0.9755	0.9793	0.2463	0.4211	0.4620	0.2462	0.3635	0.3909
	2100.	0.9696	0.9779	0.9799	0.9685	0.9741	0.9770	0.2592	0.4327	0.4170	0.2576	0.3647	0.3635
58	300.	1.0014	1.0028	1.0019	1.0031	1.0043	1.0049	0.6243	0.7537	0.9952	0.6295	0.7895	1.0421
	900.	1.0010	1.0034	1.0039	1.0015	1.0045	1.0054	0.6504	0.8107	1.0290	0.6574	0.8502	1.0696
	2100.	1.0006	1.0039	1.0051	1.0010	1.0049	1.0062	0.6969	0.8745	1.0597	0.7059	0.9133	1.0899
59	300.	0.9939	0.9987	1.0015	0.9941	0.9990	1.0018	0.5650	0.7161	0.9746	0.5702	0.7448	0.9927
	900.	0.9944	0.9990	1.0015	0.9945	0.9993	1.0019	0.5827	0.7521	0.9920	0.5887	0.7802	1.0048
	2100.	0.9945	0.9992	1.0018	0.9952	0.9996	1.0020	0.6089	0.7964	1.0082	0.6140	0.8219	1.0147
60	300.	0.9991	0.9987	1.0001	0.9993	0.9991	1.0002	0.8055	0.9115	0.9811	0.8100	0.9202	0.9826
	900.	0.9994	0.9989	1.0002	0.9995	0.9993	1.0001	0.8189	0.9245	0.9829	0.8236	0.9326	0.9847
	2100.	1.0000	0.9991	1.0002	1.0001	0.9993	1.0002	0.8493	0.9469	0.9854	0.8540	0.9532	0.9877

Table A -4.1.2 (continued)

		FE1			FE2			FT1			FT2		
GROUP	T(K)	10.	100.	1000.	10.0	100.0	1000.0	10.	100.	1000.	10.	100.	1000.
61	300.	0.9995	1.0002	1.0001	0.9995	1.0001	1.0000	0.9889	0.9997	1.0002	0.9914	0.9994	0.9996
	900.	0.9995	1.0002	1.0001	0.9995	1.0001	1.0000	0.9883	0.9993	1.0002	0.9890	0.9990	0.9996
	2100.	0.9995	1.0002	1.0001	0.9993	1.0001	1.0000	0.9802	0.9972	1.0003	0.9812	0.9971	0.9993
62	300.	1.0006	1.0001	1.0000	1.0006	1.0001	0.9999	0.8274	0.9278	0.9925	0.8320	0.9401	0.9972
	900.	1.0007	1.0001	1.0000	1.0007	1.0001	0.9999	0.8529	0.9521	0.9965	0.8580	0.9622	1.0008
	2100.	1.0007	1.0000	1.0000	1.0007	1.0000	0.9999	0.8858	0.9731	0.9990	0.8908	0.9805	1.0030
63	300.	0.9979	0.9990	0.9997	0.9980	0.9990	0.9995	0.9726	0.9877	0.9965	0.9735	0.9882	0.9953
	900.	0.9979	0.9990	0.9997	0.9979	0.9990	0.9995	0.9702	0.9867	0.9963	0.9713	0.9873	0.9950
	2100.	0.9977	0.9990	0.9997	0.9978	0.9990	0.9995	0.9650	0.9844	0.9959	0.9662	0.9852	0.9944
64	300.	0.9821	0.9808	0.9914	0.9822	0.9815	0.9899	0.7115	0.8062	0.9611	0.7172	0.8252	0.9598
	900.	0.9818	0.9805	0.9912	0.9819	0.9811	0.9898	0.7307	0.8175	0.9625	0.7361	0.8352	0.9608
	2100.	0.9814	0.9800	0.9911	0.9814	0.9806	0.9896	0.7622	0.8341	0.9641	0.7669	0.8495	0.9619
65	300.	0.9999	0.9994	0.9991	0.9999	0.9995	0.9991	0.9978	1.0012	1.0031	0.9979	1.0010	1.0034
	900.	0.9999	0.9994	0.9991	0.9999	0.9995	0.9991	0.9978	1.0011	1.0030	0.9979	1.0009	1.0034
	2100.	0.9999	0.9994	0.9992	0.9999	0.9995	0.9991	0.9978	1.0011	1.0030	0.9979	1.0009	1.0035
66	300.	0.9988	0.9990	0.9993	0.9988	0.9990	0.9993	0.9917	0.9938	0.9961	0.9918	0.9940	0.9960
	900.	0.9988	0.9990	0.9993	0.9988	0.9990	0.9993	0.9917	0.9938	0.9962	0.9918	0.9941	0.9960
	2100.	0.9988	0.9990	0.9993	0.9988	0.9990	0.9993	0.9917	0.9938	0.9962	0.9918	0.9941	0.9959
67	300.	0.9987	0.9987	0.9992	0.9987	0.9988	0.9992	0.9812	0.9843	0.9918	0.9814	0.9851	0.9917
	900.	0.9987	0.9987	0.9992	0.9987	0.9988	0.9992	0.9812	0.9843	0.9919	0.9814	0.9851	0.9917
	2100.	0.9987	0.9987	0.9993	0.9987	0.9988	0.9992	0.9812	0.9843	0.9919	0.9814	0.9851	0.9917
68	300.	0.9984	0.9983	0.9990	0.9984	0.9984	0.9990	0.9559	0.9611	0.9794	0.9563	0.9631	0.9800
	900.	0.9984	0.9983	0.9990	0.9984	0.9984	0.9990	0.9559	0.9611	0.9794	0.9563	0.9631	0.9800
	2100.	0.9984	0.9983	0.9990	0.9984	0.9984	0.9990	0.9559	0.9611	0.9795	0.9563	0.9631	0.9800
69	300.	0.9997	0.9997	0.9998	0.9997	0.9997	0.9998	0.9710	0.9719	0.9797	0.9712	0.9731	0.9812
	900.	0.9997	0.9997	0.9998	0.9997	0.9997	0.9998	0.9710	0.9719	0.9798	0.9712	0.9731	0.9812
	2100.	0.9997	0.9997	0.9998	0.9997	0.9997	0.9998	0.9710	0.9719	0.9798	0.9712	0.9731	0.9812
70	300.	0.9999	0.9999	0.9996	0.9999	0.9999	0.9996	1.0004	1.0009	1.0048	1.0004	1.0010	1.0042
	900.	0.9999	0.9999	0.9996	0.9999	0.9999	0.9996	1.0004	1.0009	1.0048	1.0004	1.0010	1.0042
	2100.	0.9999	0.9999	0.9996	0.9999	0.9999	0.9996	1.0004	1.0009	1.0048	1.0004	1.0010	1.0042

		FR1			FR2					FR1			FR2		
GROUP	T(K)	10.0	100.0	1000.0	10.0	100.0	1000.0	GROUP	T(K)	10.0	100.0	1000.0	10.0	100.0	1000.0
26	300.	0.6142	0.9293	0.9597	0.6073	0.8927	0.9359	49	300.	0.6173	0.6459	0.8466	0.6374	0.7375	0.8529
	900.	0.6168	0.9298	0.9578	0.6096	0.8902	0.9318		900.	0.6598	0.6806	0.8378	0.6790	0.7705	0.8520
	2100.	0.6240	0.9311	0.9566	0.6158	0.8888	0.9287		2100.	0.7527	0.7358	0.8154	0.7678	0.8247	0.8561
27	300.	0.6148	0.9291	0.9647	0.6113	0.8996	0.9453	50	300.	1.1744	0.9974	0.5919	1.0073	0.6272	0.4490
	900.	0.6146	0.9291	0.9635	0.6104	0.8972	0.9424		900.	1.2252	1.0190	0.5601	1.0256	0.6082	0.3931
	2100.	0.6172	0.9284	0.9585	0.6105	0.8899	0.9331		2100.	1.0535	0.8525	0.3904	0.8045	0.4333	0.2685
28	300.	0.5857	0.9203	0.9544	0.5792	0.8693	0.9192	51	300.	0.5608	0.9390	0.8652	0.5951	1.0730	0.9244
	900.	0.5842	0.9206	0.9544	0.5774	0.8675	0.9170		900.	0.5990	1.0018	0.8327	0.6336	1.1283	0.9200
	2100.	0.5848	0.9219	0.9565	0.5785	0.8705	0.9199		2100.	0.7024	1.0897	0.6942	0.7335	1.2017	0.9187
29	300.	0.5907	0.9195	0.9906	0.6158	0.9115	0.9776	52	300.	0.3842	0.5484	0.6495	1.6638	0.7344	0.5558
	900.	0.5898	0.9214	0.9960	0.6178	0.9201	0.9873		900.	0.3825	0.5286	0.6372	1.6954	0.7259	0.5405
	2100.	0.5885	0.9236	1.0022	0.6195	0.9311	0.9998		2100.	0.3286	0.4823	0.5872	1.5141	0.6567	0.4889
30	300.	0.6357	0.9107	0.9754	0.6613	0.8827	0.9494	53	300.	0.5265	0.5042	0.9287	0.6284	1.1687	1.1607
	900.	0.6337	0.9116	0.9791	0.6610	0.8862	0.9539		900.	0.6312	0.5570	0.9578	0.7353	1.2997	1.2089
	2100.	0.6286	0.9128	0.9830	0.6571	0.8903	0.9590		2100.	0.8454	0.6490	1.0152	0.9628	1.5147	1.3266
31	300.	0.6807	0.8796	0.9555	0.7081	0.8701	0.9499	54	300.	0.8094	0.7400	0.9545	0.8357	1.0073	1.0745
	900.	0.6768	0.8746	0.9422	0.6986	0.8521	0.9292		900.	0.9320	0.7938	0.9634	0.9526	1.0424	1.0846
	2100.	0.6691	0.8708	0.9302	0.6863	0.8361	0.9103		2100.	1.0270	0.8505	0.9776	1.0399	1.0641	1.1058
32	300.	0.7678	0.8823	0.9635	0.7865	0.8646	0.9475	55	300.	1.1085	1.0777	0.9501	1.0926	1.1361	0.9958
	900.	0.7654	0.8793	0.9563	0.7819	0.8539	0.9358		900.	1.1308	1.1374	0.9490	1.1203	1.1742	0.9917
	2100.	0.7591	0.8755	0.9473	0.7730	0.8422	0.9227		2100.	1.2433	1.2317	0.9569	1.2355	1.2424	0.9997
33	300.	0.8687	0.8786	0.9475	0.8766	0.8449	0.9190	56	300.	2.5069	1.1227	0.8115	2.3588	1.0588	0.8193
	900.	0.8715	0.8787	0.9473	0.8848	0.8448	0.9188		900.	2.5770	1.1725	0.8219	2.4251	1.0875	0.8217
	2100.	0.8712	0.8788	0.9479	0.8894	0.8474	0.9213		2100.	2.6711	1.2237	0.8316	2.5149	1.1187	0.8276
34	300.	0.8358	0.8716	0.9710	0.8522	0.8615	0.9565	57	300.	0.6478	0.6929	0.2701	0.7001	0.6937	0.3147
	900.	0.8237	0.8645	0.9518	0.8285	0.8307	0.9239		900.	0.6709	0.6935	0.2460	0.7196	0.7098	0.3052
	2100.	0.8217	0.8662	0.9500	0.8235	0.8241	0.9173		2100.	0.6904	0.7121	0.2248	0.7375	0.7395	0.2996
35	300.	0.7999	0.7827	0.8423	0.7756	0.7145	0.7961	58	300.	1.1032	1.2830	1.2356	1.0997	1.3319	1.3828
	900.	0.7865	0.7641	0.8033	0.7475	0.6671	0.7425		900.	0.9685	1.2513	1.2742	0.9676	1.2856	1.3971
	2100.	0.7801	0.7569	0.7856	0.7338	0.6460	0.7183		2100.	0.7469	1.1639	1.3335	0.7583	1.2056	1.4201
36	300.	0.8475	0.8290	0.9386	0.8419	0.8002	0.9109	59	300.	0.1186	0.5044	0.9846	0.1248	0.5364	1.0156
	900.	0.8555	0.8259	0.9333	0.8512	0.7904	0.9014		900.	0.1439	0.5666	1.0164	0.1508	0.5937	1.0374
	2100.	0.8614	0.8233	0.9284	0.8580	0.7839	0.8932		2100.	0.1810	0.6365	1.0527	0.1886	0.6591	1.0614
37	300.	0.9153	0.7991	0.9046	0.8807	0.7458	0.8546	60	300.	1.2668	0.9697	1.0256	1.2646	0.9871	1.0250
	900.	0.9234	0.7976	0.9007	0.8920	0.7386	0.8475		900.	1.3155	0.9858	1.0319	1.3104	0.9991	1.0269
	2100.	0.9201	0.7958	0.8963	0.8942	0.7341	0.8402		2100.	1.3810	1.0022	1.0405	1.3720	1.0120	1.0301
38	300.	0.8321	0.8049	0.9337	0.8238	0.7817	0.9037	61	300.	0.7977	0.9942	1.0031	0.8044	0.9828	0.9896
	900.	0.8473	0.8012	0.9273	0.8396	0.7697	0.8919		900.	0.7601	0.9849	1.0046	0.7688	0.9743	0.9889
	2100.	0.8558	0.7989	0.9217	0.8491	0.7639	0.8821		2100.	0.6818	0.9580	1.0052	0.6928	0.9505	0.9873
39	300.	0.7970	0.7656	0.9165	0.7923	0.7496	0.8818	62	300.	1.0877	0.9678	0.9760	1.0856	0.9618	0.9586
	900.	0.7978	0.7610	0.9122	0.7968	0.7422	0.8749		900.	1.1209	0.9728	0.9778	1.1174	0.9653	0.9594
	2100.	0.7965	0.7558	0.9039	0.7960	0.7356	0.8632		2100.	1.1455	0.9737	0.9802	1.1409	0.9651	0.9597
40	300.	0.8235	0.7474	0.9432	0.8327	0.7659	0.9249	63	300.	0.6485	0.8218	0.9454	0.6549	0.8256	0.9274
	900.	0.8312	0.7389	0.9393	0.8415	0.7562	0.9172		900.	0.6374	0.8182	0.9457	0.6440	0.8219	0.9268
	2100.	0.8355	0.7320	0.9344	0.8484	0.7543	0.9089		2100.	0.6151	0.8078	0.9457	0.6218	0.8119	0.9259
41	300.	0.9480	0.7453	0.9254	0.9665	0.7892	0.9077	64	300.	0.4844	0.3959	0.7543	0.4864	0.4248	0.7206
	900.	0.9773	0.7419	0.9191	0.9954	0.7854	0.8996		900.	0.4866	0.3985	0.7554	0.4864	0.4264	0.7210
	2100.	0.9981	0.7398	0.9123	1.0188	0.7897	0.8868		2100.	0.4868	0.4010	0.7563	0.4882	0.4270	0.7205
42	300.	0.7014	0.6983	0.9165	0.7193	0.7564	0.8953	65	300.	0.9309	0.9149	0.8931	0.9306	0.9262	0.8871
	900.	0.7061	0.6983	0.9148	0.7291	0.7630	0.8920		900.	0.9313	0.9166	0.8940	0.9310	0.9273	0.8872
	2100.	0.7282	0.7003	0.9114	0.7535	0.7775	0.8871		2100.	0.9318	0.9180	0.8947	0.9315	0.9279	0.8865
43	300.	0.9604	0.7874	0.9111	0.9556	0.8373	0.8822	66	300.	0.7933	0.8207	0.8764	0.7939	0.8254	0.8715
	900.	0.9477	0.7765	0.9057	0.9515	0.8409	0.8773		900.	0.7933	0.8210	0.8772	0.7939	0.8255	0.8716
	2100.	0.9485	0.7708	0.8988	0.9562	0.8558	0.8713		2100.	0.7933	0.8213	0.8777	0.7939	0.8257	0.8710
44	300.	0.6387	0.6178	0.8911	0.6441	0.7059	0.8770	67	300.	0.7474	0.7531	0.8462	0.7482	0.7605	0.8442
	900.	0.6087	0.6110	0.8635	0.5970	0.6669	0.8381		900.	0.7474	0.7532	0.8468	0.7482	0.7606	0.8443
	2100.	0.5813	0.6038	0.8248	0.5638	0.6700	0.7870		2100.	0.7474	0.7532	0.8472	0.7482	0.7606	0.8439
45	300.	1.2056	0.8872	0.9416	1.2405	1.0025	0.9322	68	300.	0.6699	0.6621	0.7719	0.6707	0.6716	0.7783
	900.	1.2518	0.8942	0.9404	1.2911	1.0238	0.9920		900.	0.6699	0.6621	0.7724	0.6707	0.6716	0.7784
	2100.	1.2429	0.8917	0.9387	1.2871	1.0402	0.9344		2100.	0.6699	0.6622	0.7728	0.6707	0.6716	0.7781
46	300.	0.8613	0.9103	1.1202	0.9311	1.0454	1.0959	69	300.	0.7768	0.7379	0.7168	0.7769	0.7423	0.7371
	900.	0.8976	0.9703	1.1908	0.9842	1.1231	1.1576		900.	0.7768	0.7379	0.7174	0.7769	0.7423	0.7372
	2100.	0.9751	1.0505	1.2696	1.0861	1.2138	1.2129		2100.	0.7768	0.7379	0.7178	0.7769	0.7423	0.7369
47	300.	0.7134	0.8345	0.8778	0.7335	0.9160	0.8552	70	300.	0.9241	0.9182	0.7699	0.9239	0.9164	0.7988
	900.	0.7275	0.8565	0.8595	0.7500	0.9301	0.8337		900.	0.9241	0.9182	0.7705	0.9239	0.9164	0.7989
	2100.	0.7848	0.8928	0.8349	0.8048	0.9503	0.8141		2100.	0.9241	0.9182	0.7709	0.9239	0.9164	0.7986
48	300.	0.5774	0.7844	0.7867	0.6103	0.8132	0.7385								
	900.	0.6163	0.8002	0.7547	0.6534	0.8314	0.7141								
	2100.	0.6919	0.8120	0.6985	0.7352	0.8470	0.6730								

Table A-4.2.1 INFINITE DILUTION CROSS SECTION CODE NO = 928   U-238,1 .... PAGE 1

GROUP	TOTAL	FISSION	NU	CAPTURE	INELASTIC	ELASTIC	NU	ELAS REMOVAL
23	1.31548E 01	4.00000E-05	2.32585E 00	3.78939E-01	3.29536E-05	1.27726E 01	5.00150E-02	4.06...E-01
24	1.33609E 01	4.44835E-05	2.32433E 00	4.32634E-01	0.0	1.29282E 01	3.91633E-02	4.12006E-01
25	1.35969E 01	7.00000E-05	2.32330E 00	4.88881E-01	0.0	1.31079E 01	3.06215E-02	4.23152E-01
26	1.38478E 01	7.00000E-05	2.32243E 00	5.45041E-01	0.0	1.33027E 01	2.39115E-02	4.30400E-01
27	1.41543E 01	7.00000E-05	2.32177E 00	6.03543E-01	0.0	1.35507E 01	1.87554E-02	4.51731E-01
28	1.44732E 01	7.00000E-05	2.32126E 00	6.62882E-01	0.0	1.38102E 01	1.48304E-02	4.58213E-01
29	1.49186E 01	0.0	0.0	7.31682E-01	0.0	1.41869E 01	1.17833E-02	4.69204E-01
30	1.54873E 01	0.0	0.0	8.16624E-01	0.0	1.46706E 01	9.48295E-03	4.88783E-01
31	1.61535E 01	0.0	0.0	9.16171E-01	0.0	1.52373E 01	5.57853E-03	5.20405E-01
32	1.82604E 01	4.64908E-11	2.30622E 00	1.07146E 00	0.0	1.71889E 01	2.82479E-05	6.23154E-01
33	1.77589E 01	2.11977E-10	2.33851E 00	1.26397E 00	0.0	1.64950E 01	2.82479E-03	5.80454E-01
34	2.32343E 01	5.41263E-10	2.33188E 00	1.55814E 00	0.0	2.16762E 01	2.82479E-03	6.04558E-01
35	2.30077E 01	1.79734E-09	2.32469E 00	1.62560E 00	0.0	2.13821E 01	2.82479E-03	6.68417E-01
36	1.80308E 01	1.84409E-08	2.32027E 00	1.58270E 00	0.0	1.64481E 01	2.82479E-03	3.66525E-01
37	2.09798E 01	3.71767E-04	2.31969E 00	2.31035E 00	0.0	1.86691E 01	2.82479E-03	4.91626E-01
38	2.69529E 01	9.85520E-03	2.31972E 00	3.29382E 00	0.0	2.36591E 01	2.82479E-03	2.99890E-01
39	1.91860E 01	1.72498E-03	2.31961E 00	2.91419E 00	0.0	1.62701E 01	2.82479E-03	3.92273E-01
40	2.12671E 01	4.84184E-03	2.31799E 00	3.87983E 00	0.0	1.73872E 01	2.82479E-03	3.24203E-01
41	1.42539E 01	2.00115E-08	2.32110E 00	2.73249E 00	0.0	1.15214E 01	2.82479E-03	3.78029E-01
42	2.45930E 01	1.36790E-08	2.32842E 00	4.54679E 00	0.0	2.00462E 01	2.82479E-03	3.68719E-01
43	2.55559E 01	1.13808E-08	2.33630E 00	6.58534E 00	0.0	1.89705E 01	2.82479E-03	4.77491E-01
44	1.03362E 02	1.05312E-08	2.31939E 00	1.55714E 01	0.0	8.77908E 01	2.82479E-03	2.51650E-01
45	1.18330E 01	1.03336E-08	2.32325E 00	2.51196E 00	0.0	9.32099E 00	2.82479E-03	3.65225E-01
46	1.53174E 02	1.05679E-08	2.32298E 00	4.43964E 01	0.0	1.08777E 02	2.82479E-03	4.81987E-02
47	1.22596E 01	1.11060E-08	2.32411E 00	4.96073E 00	0.0	7.29892E 00	2.82479E-03	3.01836E-01
48	1.01619E 02	1.19141E-08	2.32174E 00	4.45886E 01	0.0	5.70307E 01	2.82479E-03	2.52056E-01
49	9.89108E 00	1.29533E-08	2.31803E 00	1.33059E 01	0.0	9.75802E 00	2.82479E-03	3.81258E-01
50	3.75957E 02	1.42303E-08	2.32139E 00	1.64466E 02	0.0	2.11491E 02	2.82479E-03	1.66824E 00
51	7.83318E 00	1.57802E-08	2.32070E 00	2.00698E 00	0.0	5.82621E 00	2.82479E-03	2.75639E-01
52	1.39955E 01	1.76045E-08	2.32024E 00	2.07405E 00	0.0	1.19214E 01	2.82479E-03	7.82329E-01
53	3.23374E 02	1.97311E-08	2.32484E 00	2.39122E 02	0.0	8.42519E 01	2.82479E-03	2.43496E-01
54	8.61123E 00	2.21720E-08	2.31997E 00	3.63485E-01	0.0	8.24774E 00	2.82479E-03	2.92096E-01
55	9.65079E 00	2.49447E-08	2.31993E 00	5.61431E-01	0.0	9.08936E 00	2.82479E-03	3.13211E-01
56	1.13683E 01	2.81539E-08	2.32140E 00	1.16279E 00	0.0	1.02055E 01	2.82479E-03	3.70530E-01
57	5.46743E 02	3.18487E-08	2.32353E 00	5.07712E 02	0.0	3.90315E 01	2.82479E-03	1.96483E-01
58	1.06055E 01	3.60256E-08	2.31965E 00	3.05716E 00	0.0	7.54837E 00	2.82479E-03	2.76962E-01
59	9.47754E 00	4.08465E-08	2.31950E 00	9.12581E-01	0.0	8.56496E 00	2.82479E-03	2.89785E-01
60	9.51212E 00	4.64163E-08	2.31950E 00	6.03061E-01	0.0	8.90906E 00	2.82479E-03	2.94322E-01
61	9.58314E 00	5.27930E-08	2.31950E 00	5.10266E-01	0.0	9.07287E 00	2.82479E-03	3.00022E-01
62	9.64830E 00	6.01126E-08	2.31950E 00	4.84984E-01	0.0	9.16331E 00	2.82479E-03	3.00554E-01
63	9.71657E 00	6.91663E-08	2.31950E 00	4.94148E-01	0.0	9.22242E 00	2.82479E-03	3.09746E-01
64	9.77593E 00	7.79693E-08	2.31950E 00	5.14537E-01	0.0	9.26140E 00	2.82479E-03	3.07881E-01
65	9.38513E 00	7.20623E-08	2.31950E 00	5.44332E-01	0.0	8.84080E 00	2.82479E-03	2.90653E-01
66	9.46121E 00	5.57249E-08	2.31950E 00	5.92658E-01	0.0	8.86955E 00	2.82479E-03	2.92327E-01
67	9.54087E 00	4.32153E-08	2.31950E 00	6.51856E-01	0.0	8.88901E 00	2.82479E-03	2.98882E-01
68	9.63127E 00	3.35333E-08	2.31950E 00	7.22621E-01	0.0	8.90865E 00	2.82479E-03	2.94212E-01
69	9.72316E 00	2.59294E-08	2.31950E 00	8.06973E-01	0.0	8.91618E 00	2.82479E-03	2.91648E-01
70	9.83055E 00	2.00374E-08	2.31950E 00	9.05357E-01	0.0	8.92519E 00	1.37278E-02	2.93607E-01

Table A-4.2.2 Self-Shielding Factors TABLE   Code No = 925

GROUP	T(K)	FF1				FC				FE			
		1.	10.	100.	1000.	1.	10.	100.	1000.	1.	10.	100.	1000.
23	300.	1.0000	1.0000	1.0000	1.0000	0.9099	0.9455	0.9879	0.9986	0.8964	0.9309	0.9823	0.9978
	900.	1.0000	1.0000	1.0000	1.0000	0.9490	0.9699	0.9935	0.9991	0.9305	0.9540	0.9888	0.9986
	2100.	1.0000	1.0000	1.0000	1.0000	0.9688	0.9822	0.9963	0.9996	0.9499	0.9673	0.9927	0.9995
24	300.	1.0000	1.0000	1.0000	1.0000	0.8986	0.9371	0.9855	0.9983	0.8875	0.9227	0.9789	0.9974
	900.	1.0000	1.0000	1.0000	1.0000	0.9404	0.9645	0.9925	0.9992	0.9211	0.9468	0.9866	0.9984
	2100.	1.0000	1.0000	1.0000	1.0000	0.9616	0.9782	0.9958	0.9999	0.9403	0.9606	0.9908	0.9990
25	300.	1.0000	1.0000	1.0000	1.0000	0.8715	0.9193	0.9808	0.9977	0.8820	0.9174	0.9762	0.9969
	900.	1.0000	1.0000	1.0000	1.0000	0.9215	0.9518	0.9890	0.9986	0.9162	0.9420	0.9845	0.9980
	2100.	1.0000	1.0000	1.0000	1.0000	0.9493	0.9699	0.9935	0.9993	0.9375	0.9571	0.9886	0.9980
26	300.	1.0000	1.0000	1.0000	1.0000	0.8455	0.8980	0.9744	0.9969	0.8622	0.9009	0.9700	0.9961
	900.	1.0000	1.0000	1.0000	1.0000	0.9006	0.9368	0.9854	0.9982	0.9004	0.9302	0.9809	0.9975
	2100.	1.0000	1.0000	1.0000	1.0000	0.9323	0.9581	0.9910	0.9991	0.9267	0.9493	0.9868	0.9981
27	300.	1.0000	1.0000	1.0000	1.0000	0.8261	0.8871	0.9707	0.9965	0.8449	0.8847	0.9615	0.9947
	900.	1.0000	1.0000	1.0000	1.0000	0.8853	0.9280	0.9827	0.9981	0.8839	0.9150	0.9745	0.9969
	2100.	1.0000	1.0000	1.0000	1.0000	0.9209	0.9517	0.9891	0.9991	0.9121	0.9373	0.9836	0.9992
28	300.	1.0000	1.0000	1.0000	1.0000	0.7745	0.8456	0.9566	0.9944	0.8298	0.8730	0.9557	0.9937
	900.	1.0000	1.0000	1.0000	1.0000	0.8498	0.9001	0.9743	0.9969	0.8691	0.9051	0.9707	0.9961
	2100.	1.0000	1.0000	1.0000	1.0000	0.8985	0.9340	0.9842	0.9983	0.8979	0.9282	0.9797	0.9973
29	300.	0.0560	0.0560	0.0560	0.0560	0.7605	0.8284	0.9468	0.9927	0.8017	0.8435	0.9393	0.9907
	900.	0.0560	0.0560	0.0560	0.0560	0.8357	0.8856	0.9677	0.9957	0.8409	0.8776	0.9581	0.9942
	2100.	0.0560	0.0560	0.0560	0.0560	0.8802	0.9181	0.9784	0.9971	0.8691	0.9014	0.9680	0.9942
30	300.	0.0100	0.0100	0.0100	0.0100	0.7011	0.7873	0.9307	0.9897	0.7659	0.8123	0.9146	0.9845
	900.	0.0100	0.0100	0.0100	0.0100	0.7911	0.8582	0.9587	0.9940	0.8031	0.8445	0.9365	0.9898
	2100.	0.0100	0.0100	0.0100	0.0100	0.8541	0.9047	0.9747	0.9965	0.8326	0.8701	0.9522	0.9934
31	300.	0.0100	0.0100	0.0100	0.0100	0.6224	0.7051	0.8839	0.9811	0.7161	0.7642	0.8873	0.9790
	900.	0.0100	0.0100	0.0100	0.0100	0.7104	0.7815	0.9250	0.9894	0.7573	0.8026	0.9172	0.9865
	2100.	0.0100	0.0100	0.0100	0.0100	0.7794	0.8396	0.9515	0.9945	0.7944	0.8383	0.9412	0.9930
32	300.	1.0000	1.0000	1.0000	1.0000	0.5047	0.5922	0.8211	0.9697	0.6830	0.7323	0.8691	0.9755
	900.	1.0000	1.0000	1.0000	1.0000	0.6043	0.6882	0.8822	0.9825	0.7262	0.7747	0.9051	0.9846
	2100.	1.0000	1.0000	1.0000	1.0000	0.6853	0.7619	0.9203	0.9892	0.7628	0.8104	0.9293	0.9889
33	300.	1.0000	1.0000	1.0000	1.0000	0.4660	0.5603	0.8070	0.9662	0.7025	0.7464	0.8679	0.9729
	900.	1.0000	1.0000	1.0000	1.0000	0.5781	0.6669	0.8735	0.9805	0.7472	0.7857	0.9022	0.9829
	2100.	1.0000	1.0000	1.0000	1.0000	0.6791	0.7553	0.9173	0.9881	0.7809	0.8223	0.9276	0.9882
34	300.	1.0000	1.0000	0.9980	0.9990	0.3440	0.4281	0.6943	0.9338	0.5268	0.5857	0.7465	0.9330
	900.	1.0000	0.9990	0.9980	0.9990	0.4223	0.5128	0.7710	0.9531	0.5645	0.6230	0.7931	0.9524
	2100.	1.0000	0.9980	0.9980	0.9990	0.5050	0.5951	0.8299	0.9639	0.6063	0.6675	0.8376	0.9644
35	300.	0.9860	0.9930	0.9970	1.0000	0.3328	0.4142	0.6681	0.9168	0.4780	0.5395	0.6887	0.9008
	900.	0.9860	0.9930	0.9970	1.0000	0.4060	0.4925	0.7415	0.9417	0.4998	0.5644	0.7292	0.9274
	2100.	0.9840	0.9910	0.9970	1.0000	0.4752	0.5621	0.7949	0.9559	0.5295	0.5916	0.7640	0.9446
36	300.	0.9670	1.0000	1.0000	1.0000	0.3167	0.3922	0.6449	0.9130	0.6054	0.6444	0.7666	0.9344
	900.	0.9930	1.0000	1.0000	1.0000	0.3815	0.4709	0.7335	0.9529	0.6316	0.6753	0.8123	0.9615
	2100.	1.0000	1.0000	1.0000	1.0000	0.4458	0.5445	0.8032	0.9787	0.6550	0.7034	0.8488	0.9757
37	300.	0.4800	0.6360	0.9130	0.9930	0.3122	0.3865	0.6374	0.9058	0.5835	0.6260	0.7442	0.9205
	900.	0.6480	0.7850	0.9700	1.0000	0.3914	0.4722	0.7219	0.9395	0.6121	0.6542	0.7854	0.9459
	2100.	0.7970	0.9000	1.0000	1.0000	0.4749	0.5539	0.7876	0.9590	0.6473	0.6890	0.8273	0.9644

Table A-4.2.2 (continued)

GROUP	T(K)	FF1				FC				FE			
		1.	10.	100.	1000.	1.	10.	100.	1000.	1.	10.	100.	1000.
38	300.	0.9670	1.0000	1.0000	1.0000	0.1872	0.2436	0.4853	0.8412	0.3976	0.4430	0.5873	0.8689
	900.	0.9960	1.0000	1.0000	1.0000	0.2317	0.3061	0.5810	0.8941	0.4233	0.4720	0.6409	0.8925
	2100.	1.0000	1.0000	1.0000	1.0000	0.2817	0.3696	0.6644	0.9279	0.4479	0.5012	0.6883	0.9164
39	300.	0.7250	0.8510	0.9860	1.0000	0.2272	0.2874	0.5343	0.8626	0.6424	0.6686	0.7571	0.9156
	900.	0.8530	0.9420	1.0000	1.0000	0.2836	0.3559	0.6268	0.9095	0.6593	0.6877	0.7917	0.9405
	2100.	0.9500	1.0000	1.0000	1.0000	0.3448	0.4237	0.7027	0.9384	0.6813	0.7119	0.8278	0.9616
40	300.	1.0000	0.9910	0.9910	0.9970	0.1354	0.1840	0.4095	0.8170	0.5554	0.5843	0.6958	0.9033
	900.	0.9900	0.9830	0.9870	0.9970	0.1695	0.2371	0.5158	0.8836	0.5772	0.6115	0.7475	0.9374
	2100.	0.9770	0.9740	0.9840	0.9970	0.2133	0.3007	0.6137	0.9236	0.5937	0.6369	0.7901	0.9524
41	300.	1.0000	1.0000	1.0000	1.0000	0.2377	0.3143	0.6174	0.9198	0.9005	0.9079	0.9443	0.9872
	900.	1.0000	1.0000	1.0000	1.0000	0.3223	0.4153	0.7247	0.9525	0.9112	0.9191	0.9581	0.9922
	2100.	1.0000	0.9990	1.0000	1.0000	0.4072	0.5101	0.8011	0.9698	0.9232	0.9310	0.9707	0.9975
42	300.	1.0000	1.0000	0.9990	1.0000	0.1163	0.1498	0.3244	0.7205	0.5246	0.5470	0.6264	0.8262
	900.	1.0000	1.0000	0.9990	0.9990	0.1357	0.1824	0.4085	0.8056	0.5357	0.5610	0.6621	0.8743
	2100.	1.0000	0.9990	0.9990	0.9990	0.1640	0.2240	0.4942	0.8621	0.5637	0.5930	0.7157	0.9230
43	300.	1.0000	1.0000	1.0000	1.0000	0.1005	0.1301	0.2955	0.7228	0.6231	0.6368	0.7113	0.8868
	900.	1.0000	1.0000	1.0000	1.0000	0.1189	0.1638	0.3911	0.8156	0.6400	0.6542	0.7499	0.9242
	2100.	1.0000	0.9990	0.9990	1.0000	0.1463	0.2092	0.4909	0.8761	0.6710	0.6877	0.8027	0.9615
44	300.	0.9960	0.9970	0.9990	0.9990	0.0677	0.0896	0.1682	0.4489	0.1256	0.1538	0.2299	0.4671
	900.	0.9950	0.9970	0.9990	1.0000	0.0698	0.0954	0.2017	0.5400	0.1280	0.1595	0.2520	0.5396
	2100.	0.9950	0.9970	0.9990	1.0000	0.0763	0.1094	0.2541	0.6358	0.1326	0.1704	0.2884	0.6216
45	300.	1.0000	1.0000	1.0000	1.0000	0.2015	0.2990	0.6373	0.9424	0.9833	0.9768	0.9881	0.9978
	900.	1.0000	1.0000	1.0000	1.0000	0.2561	0.3932	0.7506	0.9720	0.9876	0.9805	0.9914	0.9985
	2100.	1.0000	1.0000	1.0000	1.0000	0.2967	0.4598	0.8081	0.9640	0.9870	0.9797	0.9888	0.9939
46	300.	1.0000	0.9990	0.9990	1.0000	0.0366	0.0533	0.1269	0.3858	0.1354	0.1468	0.2077	0.4249
	900.	1.0000	0.9990	0.9990	0.9990	0.0380	0.0576	0.1556	0.4824	0.1389	0.1517	0.2290	0.5048
	2100.	0.9990	0.9980	0.9990	0.9990	0.0406	0.0650	0.1976	0.5815	0.1415	0.1569	0.2588	0.5890
47	300.	0.9940	0.9970	0.9990	1.0000	0.1687	0.2061	0.4623	0.8590	0.9611	0.9330	0.9645	0.9907
	900.	0.9940	0.9970	0.9990	1.0000	0.1973	0.2485	0.5613	0.9084	0.9516	0.9295	0.9663	0.9927
	2100.	0.9940	0.9970	0.9990	1.0000	0.2174	0.2901	0.6371	0.9342	0.9052	0.8894	0.9299	0.9580
48	300.	1.0000	1.0000	1.0000	1.0000	0.0286	0.0444	0.1109	0.3609	0.2072	0.2125	0.2591	0.4665
	900.	1.0000	1.0000	1.0000	1.0000	0.0294	0.0472	0.1380	0.4677	0.2077	0.2166	0.2839	0.5556
	2100.	1.0000	1.0000	1.0000	1.0000	0.0303	0.0527	0.1775	0.5751	0.2033	0.2177	0.3142	0.6405
49	300.	0.9980	0.9990	1.0000	1.0000	0.9991	0.9973	0.9987	0.9995	1.0119	0.9992	0.9995	0.9998
	900.	0.9980	0.9990	1.0000	1.0000	0.9997	0.9979	0.9987	0.9999	1.0124	1.0003	0.9992	0.9998
	2100.	0.9980	0.9990	1.0000	1.0000	1.0060	1.0044	1.0042	1.0061	0.9843	0.9740	0.9701	0.9713
50	300.	0.9850	0.9860	0.9930	0.9970	0.0092	0.0177	0.0635	0.2250	0.0759	0.0855	0.1285	0.2765
	900.	0.9850	0.9870	0.9930	0.9960	0.0093	0.0181	0.0698	0.2846	0.0760	0.0863	0.1356	0.3330
	2100.	0.9840	0.9860	0.9910	0.9960	0.0092	0.0189	0.0791	0.3560	0.0744	0.0858	0.1444	0.3998
51	300.	0.9990	1.0000	1.0000	1.0000	0.5715	1.0241	1.1226	1.0422	1.1288	1.0036	0.9870	0.9958
	900.	0.9990	1.0000	1.0000	1.0000	0.5777	1.0463	1.2181	1.1047	1.1300	1.0161	0.9933	1.0033
	2100.	0.9990	1.0000	1.0000	1.0000	0.5918	1.0978	1.5300	1.3336	1.1009	1.0275	1.0272	1.0359
52	300.	0.9920	0.9940	0.9990	1.0000	0.4465	0.7216	0.9191	0.9865	0.8673	0.9420	0.9831	0.9971
	900.	0.9910	0.9940	0.9990	1.0000	0.4500	0.7372	0.9389	1.0163	0.8674	0.9443	0.9846	1.0003
	2100.	0.9910	0.9940	0.9980	1.0000	0.4601	0.7775	1.0100	1.1374	0.8451	0.9256	0.9647	0.9874
53	300.	1.0000	1.0000	1.0000	1.0000	0.0128	0.0421	0.1075	0.3013	0.0764	0.1028	0.1606	0.3422
	900.	1.0000	1.0000	1.0000	1.0000	0.0129	0.0441	0.1353	0.4037	0.0761	0.1033	0.1859	0.4385
	2100.	1.0000	1.0000	1.0000	1.0000	0.0128	0.0482	0.1984	0.5293	0.0738	0.1026	0.2399	0.5540
54	300.	0.9990	1.0000	1.0000	1.0000	0.9784	0.9793	1.0014	1.0003	1.0044	1.0043	0.9997	0.9998
	900.	0.9990	1.0000	1.0000	1.0000	0.9788	0.9787	1.0029	1.0015	1.0044	1.0045	0.9995	0.9998
	2100.	0.9990	1.0000	1.0000	1.0000	0.9822	0.9804	1.0126	1.0054	0.9778	0.9782	0.9716	0.9731
55	300.	0.9980	0.9990	1.0000	1.0000	0.8314	0.9445	0.9811	0.9949	0.9973	1.0001	0.9997	0.9999
	900.	0.9980	0.9990	1.0000	1.0000	0.8471	0.9610	0.9798	0.9925	0.9973	1.0001	0.9996	0.9999
	2100.	0.9980	0.9990	1.0000	1.0000	0.8503	0.9610	0.9502	0.9778	0.9720	0.9750	0.9737	0.9746
56	300.	0.9970	0.9980	1.0000	1.0000	0.8318	0.9381	0.9843	0.9958	0.9849	0.9946	0.9986	0.9996
	900.	0.9970	0.9980	1.0000	1.0000	0.8357	0.9433	0.9878	1.0012	0.9850	0.9948	0.9986	0.9998
	2100.	0.9970	0.9980	1.0000	1.0000	0.8494	0.9602	0.9903	1.0180	0.9614	0.9714	0.9737	0.9763
57	300.	0.9950	0.9960	0.9970	0.9990	0.0235	0.0302	0.0877	0.2955	0.2932	0.3209	0.3571	0.4856
	900.	0.9940	0.9950	0.9970	0.9990	0.0241	0.0313	0.0987	0.3672	0.2943	0.3223	0.3720	0.5479
	2100.	0.9930	0.9930	0.9960	0.9980	0.0256	0.0335	0.1153	0.4522	0.2903	0.3179	0.3892	0.6144
58	300.	1.0000	1.0000	1.0000	1.0000	0.8094	0.8370	0.9933	0.9956	1.0266	1.0227	1.0004	1.0003
	900.	1.0000	1.0000	1.0000	1.0000	0.8127	0.8376	1.0034	1.0021	1.0264	1.0230	0.9995	1.0000
	2100.	1.0000	1.0000	1.0000	1.0000	1.1805	1.0747	1.0097	1.0013	0.9800	0.9900	0.9986	0.9998
59	300.	1.0000	1.0000	1.0000	1.0000	0.9918	0.9835	1.0016	1.0013	1.0008	1.0015	0.9999	0.9999
	900.	1.0000	1.0000	1.0000	1.0000	0.9927	0.9843	1.0040	1.0023	1.0007	1.0015	0.9997	0.9998
	2100.	1.0000	1.0000	1.0000	1.0000	0.9951	1.0077	1.0022	1.0007	1.0004	0.9993	0.9998	0.9999
60	300.	1.0000	1.0000	1.0000	1.0000	1.0023	0.9985	1.0008	1.0006	0.9998	1.0001	0.9999	0.9999
	900.	1.0000	1.0000	1.0000	1.0000	1.0028	0.9989	1.0017	1.0011	0.9997	1.0001	0.9999	0.9999
	2100.	1.0000	1.0000	1.0000	1.0000	1.0024	1.0027	1.0010	1.0005	0.9998	0.9997	0.9999	1.0000
61	300.	1.0000	1.0000	1.0000	1.0000	1.0017	1.0004	1.0004	1.0003	0.9998	0.9999	0.9999	1.0000
	900.	1.0000	1.0000	1.0000	1.0000	1.0020	1.0006	1.0008	1.0005	0.9997	0.9999	0.9999	0.9999
	2100.	1.0000	1.0000	1.0000	1.0000	1.0017	1.0013	1.0005	1.0002	0.9998	0.9998	0.9999	1.0000
62	300.	1.0000	1.0000	1.0000	1.0000	1.0004	1.0002	1.0001	1.0001	0.9998	0.9999	0.9999	1.0000
	900.	1.0000	1.0000	1.0000	1.0000	1.0006	1.0004	1.0003	1.0002	0.9998	0.9999	0.9999	1.0000
	2100.	1.0000	1.0000	1.0000	1.0000	1.0004	1.0003	1.0001	1.0001	0.9998	0.9999	1.0000	1.0000
63	300.	1.0000	1.0000	1.0000	1.0000	0.9995	0.9997	0.9999	0.9999	0.9999	0.9999	1.0000	1.0000
	900.	1.0000	1.0000	1.0000	1.0000	0.9996	0.9998	1.0000	1.0001	0.9999	0.9999	1.0000	1.0000
	2100.	1.0000	1.0000	1.0000	1.0000	0.9995	0.9996	0.9999	0.9999	0.9999	0.9999	1.0000	1.0000
64	300.	1.0000	1.0000	1.0000	1.0000	0.9775	0.9850	0.9960	0.9988	0.9794	0.9862	0.9964	0.9990
	900.	1.0000	1.0000	1.0000	1.0000	0.9777	0.9851	0.9960	0.9989	0.9794	0.9862	0.9963	0.9990
	2100.	1.0000	1.0000	1.0000	1.0000	0.9775	0.9845	0.9960	0.9989	0.9787	0.9855	0.9963	0.9990
65	300.	1.0000	1.0000	1.0000	1.0000	0.9978	0.9981	0.9994	0.9997	0.9999	0.9999	1.0000	1.0000
	900.	1.0000	1.0000	1.0000	1.0000	0.9978	0.9981	0.9994	0.9997	0.9999	0.9999	1.0000	1.0000
	2100.	1.0000	1.0000	1.0000	1.0000	0.9978	0.9980	0.9994	0.9997	0.9999	0.9999	1.0000	1.0000
66	300.	0.0	0.0	0.0	0.0	0.9977	0.9979	0.9993	0.9996	0.9999	0.9999	1.0000	1.0000
	900.	0.0	0.0	0.0	0.0	0.9977	0.9960	0.9993	0.9996	0.9999	0.9999	1.0000	1.0000
	2100.	0.0	0.0	0.0	0.0	0.9977	0.9978	0.9993	0.9997	0.9999	0.9999	1.0000	1.0000
67	300.	0.0	0.0	0.0	0.0	0.9976	0.9978	0.9993	0.9996	1.0000	1.0000	1.0000	1.0000
	900.	0.0	0.0	0.0	0.0	0.9976	0.9978	0.9992	0.9996	1.0000	1.0000	1.0000	1.0000
	2100.	0.0	0.0	0.0	0.0	0.9976	0.9977	0.9993	0.9996	1.0000	1.0000	1.0000	1.0000
68	300.	0.0	0.0	0.0	0.0	0.9972	0.9973	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000
	900.	0.0	0.0	0.0	0.0	0.9972	0.9973	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000
	2100.	0.0	0.0	0.0	0.0	0.9972	0.9972	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000
69	300.	0.0	0.0	0.0	0.0	0.9970	0.9973	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000
	900.	0.0	0.0	0.0	0.0	0.9970	0.9973	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000
	2100.	0.0	0.0	0.0	0.0	0.9970	0.9972	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000
70	300.	0.0	0.0	0.0	0.0	0.9971	0.9968	0.9989	0.9995	1.0000	1.0000	1.0000	1.0000
	900.	0.0	0.0	0.0	0.0	0.9971	0.9968	0.9989	0.9995	1.0000	1.0000	1.0000	1.0000
	2100.	0.0	0.0	0.0	0.0	0.9971	0.9968	0.9989	0.9995	1.0000	1.0000	1.0000	1.0000

Table A-4.2.2 (continued)

GROUP	T(K)	FT 1.	10.	100.	1000.	GROUP	T(K)	FT 1.	10.	100.	1000.
23	300.	0.8207	0.8791	0.9664	0.9958	47	300.	0.6110	0.6172	0.7017	0.8970
	900.	0.8777	0.9175	0.9786	0.9973		900.	0.6073	0.6199	0.7337	0.9301
	2100.	0.9099	0.9399	0.9855	0.9986		2100.	0.5819	0.6017	0.7415	0.9264
24	300.	0.6120	0.8691	0.9605	0.9948	48	300.	0.1072	0.1118	0.1326	0.2395
	900.	0.8655	0.9071	0.9746	0.9968		900.	0.1063	0.1113	0.1351	0.2990
	2100.	0.8964	0.9295	0.9822	0.9980		2100.	0.1029	0.1087	0.1400	0.3740
25	300.	0.8051	0.8620	0.9559	0.9940	49	300.	1.0052	0.9954	0.9988	0.9998
	900.	0.8593	0.9002	0.9708	0.9962		900.	1.0056	0.9965	0.9985	0.9998
	2100.	0.8938	0.9252	0.9790	0.9968		2100.	0.9780	0.9707	0.9698	0.9717
26	300.	0.7794	0.8382	0.9448	0.9922	50	300.	0.0402	0.0431	0.0600	0.1223
	900.	0.8353	0.8810	0.9641	0.9952		900.	0.0401	0.0430	0.0586	0.1376
	2100.	0.8757	0.9111	0.9751	0.9966		2100.	0.0391	0.0418	0.0562	0.1650
27	300.	0.7584	0.8190	0.9311	0.9896	51	300.	0.9815	0.9631	1.0087	1.0066
	900.	0.8155	0.8611	0.9529	0.9937		900.	0.9829	0.9702	1.0330	1.0282
	2100.	0.8548	0.8926	0.9678	0.9971		2100.	0.9608	0.9600	1.0990	1.1072
28	300.	0.7404	0.8035	0.9209	0.9877	52	300.	0.7456	0.8520	0.9497	0.9921
	900.	0.7963	0.8465	0.9458	0.9923		900.	0.7455	0.8541	0.9524	0.9990
	2100.	0.8376	0.8796	0.9617	0.9948		2100.	0.7268	0.8381	0.9397	1.0046
29	300.	0.7117	0.7690	0.8956	0.9820	53	300.	0.0230	0.0286	0.0515	0.1326
	900.	0.7649	0.8114	0.9251	0.9886		900.	0.0229	0.0278	0.0516	0.1719
	2100.	0.8013	0.8431	0.9430	0.9904		2100.	0.0222	0.0260	0.0563	0.2387
30	300.	0.6607	0.7354	0.8625	0.9707	54	300.	1.0024	1.0028	0.9997	0.9998
	900.	0.7146	0.7748	0.8937	0.9804		900.	1.0024	1.0029	0.9995	0.9998
	2100.	0.7578	0.8069	0.9167	0.9866		2100.	0.9771	0.9779	0.9734	0.9746
31	300.	0.6143	0.6777	0.8187	0.9598	55	300.	0.9819	0.9927	0.9977	0.9994
	900.	0.6679	0.7190	0.8599	0.9737		900.	0.9836	0.9945	0.9977	0.9993
	2100.	0.7096	0.7583	0.8944	0.9841		2100.	0.9607	0.9715	0.9718	0.9748
32	300.	0.5757	0.6362	0.7876	0.9528	56	300.	0.9597	0.9822	0.9957	0.9991
	900.	0.6241	0.6776	0.8376	0.9701		900.	0.9602	0.9828	0.9961	0.9998
	2100.	0.6624	0.7157	0.8750	0.9791		2100.	0.9407	0.9638	0.9742	0.9807
33	300.	0.6002	0.6540	0.7886	0.9477	57	300.	0.0336	0.0374	0.0588	0.1476
	900.	0.6471	0.6939	0.8349	0.9661		900.	0.0336	0.0372	0.0581	0.1793
	2100.	0.6888	0.7345	0.8728	0.9768		2100.	0.0331	0.0365	0.0586	0.2339
34	300.	0.4032	0.4802	0.6308	0.8800	58	300.	0.9917	0.9604	0.9969	0.9987
	900.	0.4413	0.5096	0.6814	0.9125		900.	0.9524	0.9607	0.9993	1.0004
	2100.	0.4794	0.5459	0.7351	0.9374		2100.	1.0182	1.0068	1.0004	1.0001
35	300.	0.3531	0.4383	0.5771	0.8264	59	300.	0.9998	0.9997	1.0000	1.0000
	900.	0.3740	0.4566	0.6134	0.8674		900.	0.9999	0.9997	1.0001	1.0001
	2100.	0.4100	0.4825	0.6482	0.8961		2100.	0.9999	1.0002	1.0000	1.0000
36	300.	0.5024	0.5522	0.6629	0.8779	60	300.	0.9999	1.0000	1.0000	1.0000
	900.	0.5345	0.5760	0.7074	0.9203		900.	0.9999	1.0000	1.0000	1.0000
	2100.	0.5590	0.5977	0.7487	0.9460		2100.	0.9999	0.9999	1.0000	1.0000
37	300.	0.4609	0.5238	0.6388	0.8564	61	300.	0.9999	1.0000	1.0000	1.0000
	900.	0.4971	0.5490	0.6801	0.8980		900.	0.9999	1.0000	1.0000	1.0000
	2100.	0.5367	0.5813	0.7260	0.9306		2100.	0.9999	0.9999	1.0000	1.0000
38	300.	0.2957	0.3421	0.4513	0.7415	62	300.	0.9998	0.9999	1.0000	1.0000
	900.	0.3189	0.3595	0.4947	0.8056		900.	0.9998	0.9999	1.0000	1.0000
	2100.	0.3396	0.3762	0.5395	0.8487		2100.	0.9998	0.9999	1.0000	1.0000
39	300.	0.5223	0.5570	0.6405	0.8388	63	300.	0.9998	0.9999	1.0000	1.0000
	900.	0.5429	0.5739	0.6761	0.8829		900.	0.9998	0.9999	1.0000	1.0000
	2100.	0.5662	0.5960	0.7161	0.9173		2100.	0.9998	0.9999	1.0000	1.0000
40	300.	0.4325	0.4552	0.5356	0.6009	64	300.	0.9708	0.9782	0.9938	0.9986
	900.	0.4499	0.4699	0.5801	0.8633		900.	0.9708	0.9782	0.9937	0.9987
	2100.	0.4608	0.4832	0.6269	0.8999		2100.	0.9700	0.9774	0.9936	0.9987
41	300.	0.7445	0.7569	0.8284	0.9528	65	300.	0.9998	0.9998	0.9999	1.0000
	900.	0.7591	0.7752	0.8634	0.9705		900.	0.9998	0.9998	0.9999	1.0000
	2100.	0.7760	0.7965	0.8945	0.9824		2100.	0.9998	0.9998	0.9999	1.0000
42	300.	0.4001	0.4266	0.4852	0.6896	66	300.	0.9998	0.9998	0.9999	1.0000
	900.	0.4109	0.4336	0.5081	0.7571		900.	0.9998	0.9998	0.9999	1.0000
	2100.	0.4365	0.4552	0.5499	0.8237		2100.	0.9998	0.9998	0.9999	1.0000
43	300.	0.4525	0.4654	0.5164	0.7382	67	300.	0.9998	0.9998	0.9999	1.0000
	900.	0.4640	0.4737	0.5453	0.8102		900.	0.9998	0.9998	0.9999	1.0000
	2100.	0.4852	0.4943	0.5937	0.8724		2100.	0.9998	0.9998	0.9999	1.0000
44	300.	0.0710	0.0931	0.1381	0.2805	68	300.	0.9997	0.9998	0.9999	1.0000
	900.	0.0711	0.0936	0.1415	0.3306		900.	0.9997	0.9998	0.9999	1.0000
	2100.	0.0721	0.0960	0.1525	0.3992		2100.	0.9997	0.9998	0.9999	1.0000
45	300.	0.8044	0.8092	0.8742	0.9720	69	300.	0.9997	0.9997	0.9999	1.0000
	900.	0.8132	0.8227	0.9033	0.9839		900.	0.9997	0.9997	0.9999	1.0000
	2100.	0.8202	0.8329	0.9194	0.9818		2100.	0.9997	0.9997	0.9999	1.0000
46	300.	0.0844	0.0911	0.1185	0.2377	70	300.	0.9997	0.9997	0.9999	1.0000
	900.	0.0852	0.0915	0.1215	0.2915		900.	0.9997	0.9997	0.9999	1.0000
	2100.	0.0859	0.0916	0.1286	0.3615		2100.	0.9997	0.9997	0.9999	1.0000

Table A-4.2.2 (continued)

		FR						FR			
GROUP	T(K)	1.	10.	100.	1000.	GROUP	T(K)	1.	10.	100.	1000.
23	300.	0.7421	0.9088	0.9836	0.9980	47	300.	0.8364	0.8515	0.9567	0.9887
	900.	0.7657	0.9289	0.9889	0.9983		900.	0.7413	0.8335	0.9429	0.9873
	2100.	0.7782	0.9379	0.9912	0.9984		2100.	0.6598	0.7985	0.8906	0.9504
24	300.	0.5889	0.7586	0.9345	0.9915	48	300.	0.9181	0.7210	0.8968	0.9636
	900.	0.6077	0.7830	0.9479	0.9934		900.	0.9760	0.7169	0.8663	0.9533
	2100.	0.6196	0.8022	0.9651	1.0052		2100.	0.9910	0.6910	0.7887	0.9098
25	300.	0.6611	0.8485	0.9671	0.9957	49	300.	1.1582	0.9696	0.9850	0.9952
	900.	0.6773	0.8661	0.9736	0.9944		900.	1.1647	0.9871	0.9790	0.9947
	2100.	0.6889	0.8801	0.9813	0.9980		2100.	1.1409	0.9957	0.9370	0.9659
26	300.	0.6448	0.8039	0.9519	0.9936	50	300.	0.0709	0.0816	0.3971	0.8713
	900.	0.6664	0.8215	0.9562	0.9882		900.	0.0835	0.1003	0.5759	1.7876
	2100.	0.6817	0.8345	0.9612	0.9876		2100.	0.1137	0.1328	0.9257	3.6413
27	300.	0.6205	0.7798	0.9387	0.9914	51	300.	1.5165	1.0663	0.9661	0.9880
	900.	0.6407	0.8023	0.9513	0.9934		900.	1.5191	1.1153	0.9527	0.9848
	2100.	0.6578	0.8262	0.9716	1.0085		2100.	1.4846	1.1560	0.8892	0.9502
28	300.	0.5516	0.7736	0.9520	0.9940	52	300.	0.1289	0.4368	0.8252	0.9724
	900.	0.5734	0.8054	0.9674	0.9951		900.	0.1244	0.4383	0.8306	0.9934
	2100.	0.5905	0.8242	0.9700	0.9903		2100.	0.1009	0.4183	0.8299	1.0609
29	300.	0.7871	0.9133	0.9921	0.9988	53	300.	2.1264	1.4613	1.0063	1.0024
	900.	0.8221	0.9434	1.0006	1.0003		900.	2.1458	1.5252	1.0073	1.0067
	2100.	0.8444	0.9455	0.9743	0.9690		2100.	2.1241	1.6037	0.9458	0.9824
30	300.	0.7128	0.8967	0.9955	0.9996	54	300.	1.1258	1.1546	0.9868	0.9917
	900.	0.7360	0.9115	1.0013	1.0014		900.	1.1263	1.1632	0.9795	0.9916
	2100.	0.7535	0.9203	1.0030	1.0003		2100.	1.0994	1.1477	0.9071	0.9646
31	300.	0.3894	0.4454	0.7042	0.9396	55	300.	0.6276	0.9526	0.9764	0.9902
	900.	0.4183	0.4670	0.7643	0.9592		900.	0.6124	0.9424	0.9677	0.9898
	2100.	0.4420	0.5232	0.8021	0.9579		2100.	0.5975	0.9199	0.8994	0.9641
32	300.	0.5618	0.5781	0.7674	0.9502	56	300.	0.4566	0.7674	0.9455	0.9869
	900.	0.6162	0.6079	0.8141	0.9665		900.	0.4548	0.7674	0.9410	0.9875
	2100.	0.6472	0.6371	0.8561	0.9834		2100.	0.4383	0.7501	0.8817	0.9656
33	300.	0.8972	0.8966	0.9809	0.9963	57	300.	0.7284	0.2426	0.3445	0.7186
	900.	0.9302	0.9028	0.9819	0.9967		900.	0.7313	0.2364	0.2674	0.6532
	2100.	0.9692	0.9223	0.9969	1.0119		2100.	0.7202	0.2241	0.1149	0.5743
34	300.	0.3321	0.3593	0.6072	0.9089	58	300.	1.5262	1.4658	0.9851	0.9921
	900.	0.3632	0.3812	0.6404	0.8727		900.	1.5298	1.4737	0.9708	0.9927
	2100.	0.3932	0.4079	0.6628	0.8288		2100.	0.9371	0.6435	0.9743	0.9959
35	300.	0.2667	0.3382	0.5942	0.9011	59	300.	1.0423	1.1303	0.9851	0.9874
	900.	0.2795	0.3489	0.6143	0.8589		900.	1.0426	1.1321	0.9735	0.9877
	2100.	0.2943	0.3649	0.6256	0.8099		2100.	1.0251	0.9351	0.9800	0.9926
36	300.	0.8358	0.8818	0.9763	0.9950	60	300.	0.9380	1.0225	0.9812	0.9853
	900.	0.8656	0.8742	0.9753	0.9951		900.	0.9380	1.0231	0.9724	0.9855
	2100.	0.9033	0.8795	0.9921	1.0141		2100.	0.9377	0.9380	0.9774	0.9893
37	300.	0.5903	0.7840	0.9610	0.9932	61	300.	0.9018	0.9721	0.9767	0.9835
	900.	0.6095	0.7770	0.9606	0.9944		900.	0.9018	0.9724	0.9699	0.9837
	2100.	0.6331	0.7652	0.9546	0.9901		2100.	0.9020	0.9272	0.9738	0.9866
38	300.	0.8275	0.8650	0.9758	0.9951	62	300.	0.8857	0.9423	0.9726	0.9820
	900.	0.8473	0.8502	0.9736	0.9951		900.	0.8857	0.9425	0.9672	0.9821
	2100.	0.8735	0.8471	0.9842	1.0078		2100.	0.8857	0.9154	0.9704	0.9844
39	300.	0.7364	0.8406	0.9690	0.9938	63	300.	0.8819	0.9257	0.9704	0.9816
	900.	0.7578	0.8362	0.9697	0.9965		900.	0.8819	0.9258	0.9663	0.9817
	2100.	0.7768	0.8331	0.9756	1.0056		2100.	0.8818	0.9087	0.9688	0.9834
40	300.	0.9100	0.9130	0.9870	0.9967	64	300.	0.5281	0.6905	0.9199	0.9752
	900.	0.9320	0.9037	0.9863	0.9972		900.	0.5281	0.6906	0.9167	0.9753
	2100.	0.9534	0.8880	0.9796	0.9922		2100.	0.5231	0.6794	0.9185	0.9767
41	300.	0.9331	0.9021	0.9746	0.9935	65	300.	0.8574	0.8787	0.9600	0.9786
	900.	0.9722	0.8882	0.9710	0.9935		900.	0.8574	0.8797	0.9572	0.9797
	2100.	1.0390	0.9039	1.0033	1.0297		2100.	0.8571	0.8690	0.9587	0.9798
42	300.	0.8165	0.8862	0.9764	0.9937	66	300.	0.8631	0.8773	0.9587	0.9781
	900.	0.8127	0.8833	0.9748	0.9941		900.	0.8631	0.8773	0.9563	0.9781
	2100.	0.8164	0.8961	0.9923	1.0143		2100.	0.8830	0.8691	0.9576	0.9790
43	300.	0.8391	0.8606	0.9660	0.9902	67	300.	0.8664	0.8753	0.9579	0.9784
	900.	0.8988	0.8623	0.9620	0.9900		900.	0.8664	0.8753	0.9560	0.9784
	2100.	0.9768	0.8699	0.9632	0.9960		2100.	0.8664	0.8693	0.9570	0.9791
44	300.	0.9738	0.9266	0.9853	0.9905	68	300.	0.8586	0.8638	0.9537	0.9769
	900.	0.9196	0.9359	0.9877	0.9973		900.	0.8586	0.8638	0.9520	0.9770
	2100.	0.8571	0.9190	1.0105	1.0387		2100.	0.8586	0.8590	0.9529	0.9776
45	300.	1.0954	0.9447	0.9837	0.9936	69	300.	0.8563	0.8633	0.9531	0.9774
	900.	1.1407	0.9545	0.9839	0.9936		900.	0.8563	0.8633	0.9518	0.9774
	2100.	1.1848	0.9637	0.9767	0.9866		2100.	0.8563	0.8597	0.9525	0.9779
46	300.	0.7827	1.0576	1.2445	1.1301	70	300.	0.8596	0.8522	0.9486	0.9760
	900.	0.9400	1.2844	1.6551	1.5035		900.	0.8596	0.8522	0.9474	0.9760
	2100.	1.2712	2.0100	3.8276	4.3967		2100.	0.8596	0.8494	0.9481	0.9764

Table A-4.3.1 INFINITE DILUTION CROSS SECTION CODE NO = 949   PU-239,1 .... PAGE 1

GROUP	TOTAL	FISSION	NU	CAPTURE	INELASTIC	ELASTIC	MU	ELAS REMOVAL
26	1.36666E 01	1.70041E 00	2.88192E 00	7.34187E-01	1.81760E-01	1.10503E 01	3.21232E-02	3.52547E-01
27	1.40031E 01	1.77003E 00	2.88155E 00	8.47558E-01	1.71994E-01	1.12135E 01	2.52106E-02	3.70250E-01
28	1.45049E 01	1.86945E 00	2.88126E 00	1.02205E 00	1.50809E-01	1.14626E 01	1.99440E-02	3.77959E-01
29	1.52497E 01	2.09076E 00	2.88099E 00	1.26945E 00	7.60429E-02	1.18135E 01	1.59316E-02	3.82433E-01
30	1.56257E 01	2.09939E 00	2.88075E 00	1.55777E 00	0.0	1.19685E 01	1.28433E-02	3.96260E-01
31	1.65460E 01	2.26727E 00	2.88055E 00	1.92886E 00	0.0	1.23499E 01	1.05503E-02	4.11311E-01
32	1.72498E 01	2.60713E 00	2.87966E 00	2.19068E 00	0.0	1.24520E 01	8.77953E-03	4.10090E-01
33	1.84465E 01	2.94262E 00	2.87976E 00	2.67308E 00	0.0	1.28308E 01	5.28876E-03	4.28720E-01
34	2.00627E 01	3.30789E 00	2.88020E 00	3.36736E 00	0.0	1.33875E 01	2.81295E-03	4.37536E-01
35	2.07475E 01	3.84160E 00	2.88013E 00	3.66950E 00	0.0	1.32364E 01	2.81295E-03	4.26610E-01
36	2.18147E 01	4.66755E 00	2.88008E 00	3.99758E 00	0.0	1.31492E 01	2.81295E-03	4.47770E-01
37	2.51030E 01	6.37338E 00	2.88004E 00	4.86763E 00	0.0	1.38620E 01	2.81295E-03	4.72313E-01
38	2.44624E 01	6.35428E 00	2.88001E 00	4.94323E 00	0.0	1.31649E 01	2.81295E-03	4.15307E-01
39	2.59574E 01	5.70450E 00	2.87998E 00	6.68200E 00	0.0	1.35709E 01	2.81295E-03	5.11581E-01
40	3.64193E 01	1.40544E 01	2.87997E 00	7.01939E 00	0.0	1.53455E 01	2.81295E-03	3.45702E-01
41	2.47156E 01	9.09022E 00	2.87994E 00	4.05290E 00	0.0	1.15725E 01	2.81295E-03	3.67694E-01
42	4.07042E 01	1.18236E 01	2.87994E 00	1.27380E 01	0.0	1.61426E 01	2.81295E-03	5.33869E-01
43	5.16141E 01	1.81658E 01	2.87994E 00	1.80373E 01	0.0	1.54111E 01	2.81295E-03	3.87379E-01
44	3.85345E 01	1.76354E 01	2.87992E 00	8.74787E 00	0.0	1.21512E 01	2.81295E-03	4.70934E-01
45	5.04524E 01	1.80311E 01	2.87992E 00	1.70758E 01	0.0	1.53455E 01	2.81295E-03	3.00463E-01
46	5.49594E 01	2.01599E 01	2.87991E 00	2.01685E 01	0.0	1.46310E 01	2.81295E-03	3.31168E-01
47	8.73914E 01	4.69163E 01	2.87991E 00	2.45480E 01	0.0	1.59271E 01	2.81295E-03	3.93491E-01
48	1.14926E 02	6.45654E 01	2.87991E 00	3.13181E 01	0.0	1.90429E 01	2.81295E-03	4.16360E-01
49	1.43476E 02	7.05735E 01	2.87991E 00	5.65339E 01	0.0	1.63683E 01	2.81295E-03	2.37521E-01
50	8.72864E 01	1.21020E 01	2.87990E 00	6.18496E 01	0.0	1.33348E 01	2.81295E-03	2.31622E-01
51	1.52557E 01	3.90503E 00	2.87990E 00	3.62298E 00	0.0	7.72765E 00	2.81295E-03	2.82525E-01
52	1.01418E 02	5.12754E 01	2.87990E 00	3.97030E 01	0.0	1.04394E 01	2.81295E-03	1.84418E-01
53	8.18270E 01	3.50305E 01	2.87990E 00	3.67936E 01	0.0	1.00027E 01	2.81295E-03	2.57051E-01
54	1.82481E 02	9.86724E 01	2.87990E 00	7.27724E 01	0.0	1.10365E 01	2.81295E-03	2.58585E-01
55	2.86542E 02	1.64769E 02	2.87990E 00	1.11930E 02	0.0	9.84271E 00	2.81295E-03	1.65081E-01
56	1.47320E 02	7.70188E 01	2.87990E 00	6.20060E 01	0.0	8.29565E 00	2.81295E-03	4.05686E-01
57	3.64286E 01	1.80657E 01	2.87990E 00	1.12096E 01	0.0	7.15335E 00	2.81295E-03	2.72587E-01
58	1.77326E 01	7.92620E 00	2.87990E 00	1.14880E 00	0.0	8.65763E 00	2.81295E-03	2.97119E-01
59	1.87715E 01	8.58773E 00	2.87933E 00	1.14016E 00	0.0	9.04364E 00	2.81295E-03	3.01279E-01
60	2.09295E 01	1.03059E 01	2.87990E 00	1.35863E 00	0.0	9.26490E 00	2.81295E-03	3.04593E-01
61	2.33651E 01	1.21241E 01	2.87990E 00	1.77433E 00	0.0	9.46666E 00	2.81295E-03	3.13261E-01
62	2.60011E 01	1.57689E 01	2.87990E 00	2.56202E 00	0.0	9.67012E 00	2.81295E-03	3.17650E-01
63	3.53819E 01	2.13261E 01	2.87999E 00	4.16175E 00	0.0	9.89204E 00	2.81295E-03	3.34554E-01
64	4.75010E 01	3.00344E 01	2.88004E 00	7.25189E 00	0.0	1.02126E 01	2.81295E-03	3.43331E-01
65	7.05383E 01	4.59779E 01	2.87990E 00	1.39374E 01	0.0	1.06231E 01	2.81295E-03	3.53282E-01
66	1.18939E 02	7.78790E 01	2.88026E 00	2.99148E 01	0.0	1.11457E 01	2.81295E-03	3.76941E-01
67	2.69625E 02	1.73908E 02	2.87990E 00	8.35690E 01	0.0	1.21480E 01	2.81295E-03	4.31597E-01
68	1.00626E 03	6.21134E 02	2.87990E 00	3.70637E 02	0.0	1.44926E 01	2.81295E-03	5.38103E-01
69	4.18700E 03	2.47591E 03	2.87990E 00	1.69561E 03	0.0	1.54857E 01	2.81295E-03	3.34792E-01
70	3.07429E 03	1.82406E 03	2.87990E 00	1.24337E 03	0.0	6.85088E 00	1.23815E-02	1.97929E-01

Table A-4.3.2   SELF-SHIELDING FACTOR TABLES CODE NO = 949

		FF1			FF2			FC1			FC2		
GROUP	T(K)	10.	100.	1000.	10.	100.	1000.	10.	100.	1000.	10.	100.	1000.
26	300.	0.9689	0.9946	1.0006	0.9749	0.9959	1.0007	0.9797	0.9929	0.9961	0.9827	0.9923	0.9946
	900.	0.9800	0.9970	1.0007	0.9838	0.9977	1.0006	0.9872	0.9954	0.9975	0.9896	0.9952	0.9967
	2100.	0.9854	0.9984	1.0011	0.9887	0.9991	1.0012	0.9918	0.9973	0.9986	0.9941	0.9975	0.9986
27	300.	0.9628	0.9950	1.0032	0.9724	0.9984	1.0049	0.9795	1.0001	1.0052	0.9863	1.0029	1.0070
	900.	0.9764	0.9972	1.0023	0.9828	0.9996	1.0036	0.9851	0.9992	1.0024	0.9891	1.0005	1.0031
	2100.	0.9835	0.9982	1.0017	0.9881	0.9999	1.0027	0.9875	0.9984	1.0007	0.9900	0.9988	1.0006
28	300.	0.9443	0.9836	0.9934	0.9529	0.9841	0.9915	0.9711	0.9938	0.9997	0.9782	0.9958	1.0003
	900.	0.9620	0.9879	0.9938	0.9671	0.9873	0.9918	0.9846	0.9982	1.0018	0.9901	1.0003	1.0029
	2100.	0.9728	0.9915	0.9956	0.9761	0.9908	0.9939	0.9921	1.0005	1.0028	0.9965	1.0026	1.0043
29	300.	0.9316	0.9860	1.0012	0.9438	0.9897	1.0027	0.9471	0.9892	1.0001	0.9556	0.9900	0.9984
	900.	0.9531	0.9886	0.9973	0.9602	0.9894	0.9964	0.9599	0.9924	1.0003	0.9665	0.9929	0.9991
	2100.	0.9645	0.9902	0.9958	0.9691	0.9897	0.9941	0.9663	0.9933	0.9993	0.9717	0.9936	0.9988
30	300.	0.9079	0.9790	0.9997	0.9247	0.9819	0.9977	0.9433	0.9880	1.0008	0.9556	0.9909	1.0003
	900.	0.9431	0.9904	1.0034	0.9553	0.9928	1.0027	0.9640	0.9949	1.0034	0.9743	0.9985	1.0047
	2100.	0.9614	0.9955	1.0047	0.9709	0.9976	1.0047	0.9780	0.9999	1.0059	0.9876	1.0045	1.0089
31	300.	0.9009	0.9717	0.9435	0.9185	0.9766	0.9934	0.9060	0.9779	0.9994	0.9244	0.9809	0.9986
	900.	0.9413	0.9863	0.9997	0.9542	0.9910	1.0013	0.9329	0.9891	1.0052	0.9477	0.9903	1.0036
	2100.	0.9613	0.9921	1.0011	0.9711	0.9962	1.0033	0.9479	0.9937	1.0065	0.9602	0.9934	1.0040
32	300.	0.8618	0.9590	0.9906	0.8836	0.9610	0.9850	0.9060	0.9790	1.0002	0.9223	0.9788	0.9961
	900.	0.9153	0.9770	0.9959	0.9309	0.9774	0.9916	0.9330	0.9925	1.0091	0.9517	0.9931	1.0062
	2100.	0.9441	0.9856	0.9983	0.9557	0.9854	0.9948	0.9544	0.9979	1.0112	0.9662	0.9983	1.0089
33	300.	0.8409	0.9537	0.9903	0.8668	0.9619	0.9907	0.8852	0.9679	0.9951	0.9066	0.9753	0.9974
	900.	0.9008	0.9726	0.9928	0.9175	0.9769	0.9924	0.9245	0.9852	1.0037	0.9405	0.9890	1.0038
	2100.	0.9355	0.9830	0.9950	0.9469	0.9859	0.9950	0.9486	0.9936	1.0052	0.9601	0.9947	1.0052
34	300.	0.7986	0.9354	0.9833	0.8262	0.9435	0.9810	0.8381	0.9665	1.0160	0.8690	0.9784	1.0178
	900.	0.8670	0.9654	0.9956	0.8891	0.9730	0.9967	0.8786	0.9785	1.0141	0.9034	0.9856	1.0132
	2100.	0.9092	0.9802	1.0082	0.9292	0.9954	1.0130	0.9062	0.9881	1.0157	0.9273	0.9937	1.0151
35	300.	0.7332	0.8879	0.9527	0.7620	0.8931	0.9446	0.8068	0.9112	0.9475	0.8304	0.9194	0.9486
	900.	0.8061	0.9078	0.9489	0.8238	0.9068	0.9389	0.8471	0.9204	0.9438	0.8616	0.9230	0.9419
	2100.	0.8511	0.9206	0.9495	0.8627	0.9173	0.9395	0.8733	0.9271	0.9433	0.8810	0.9256	0.9387
36	300.	0.6613	0.8754	0.9884	0.7052	0.8988	0.9927	0.7991	0.9413	0.9989	0.8286	0.9522	1.0001
	900.	0.7576	0.9070	0.9768	0.7887	0.9169	0.9734	0.8608	0.9673	1.0073	0.8836	0.9745	1.0078
	2100.	0.8093	0.9124	0.9589	0.8287	0.9127	0.9487	0.9021	0.9820	1.0115	0.9195	0.9870	1.0112
37	300.	0.6215	0.8634	0.9964	0.6695	0.8941	1.0057	0.7989	0.9207	0.9862	0.8292	0.9330	0.9846
	900.	0.7354	0.9357	1.0227	0.7807	0.9611	1.0338	0.8513	0.9508	1.0015	0.8780	0.9593	0.9985
	2100.	0.8098	0.9673	1.0261	0.8485	0.9860	1.0344	0.8874	0.9669	1.0083	0.9095	0.9721	1.0035
38	300.	0.6648	0.8787	0.9915	0.7024	0.8981	0.9909	0.6896	0.8854	0.9644	0.7089	0.8894	0.9542
	900.	0.8022	0.9465	1.0102	0.8312	0.9604	1.0123	0.7608	0.9185	0.9696	0.7728	0.9160	0.9570
	2100.	0.9014	0.9904	1.0266	0.9240	1.0043	1.0342	0.8179	0.9412	0.9748	0.8231	0.9355	0.9623
39	300.	0.4898	0.7789	0.9687	0.5341	0.8090	0.9668	0.5440	0.8064	0.9481	0.5765	0.8160	0.9374
	900.	0.5836	0.8490	0.9830	0.6261	0.8702	0.9816	0.5875	0.8399	0.9587	0.6196	0.8449	0.9464
	2100.	0.6510	0.8865	0.9862	0.6899	0.9007	0.9826	0.6269	0.8637	0.9661	0.6586	0.8656	0.9533
40	300.	0.6100	0.8822	1.0239	0.6496	0.9216	1.0405	0.5961	0.8446	0.9978	0.6353	0.8676	1.0041
	900.	0.7193	0.9693	1.0485	0.7520	1.0021	1.0669	0.6714	0.9087	1.0347	0.7112	0.9312	1.0422
	2100.	0.8006	1.0321	1.0712	0.8297	1.0642	1.0957	0.7316	0.9573	1.0620	0.7735	0.9812	1.0727

Table A-4.3.2 (continued)

GROUP	T(K)	FF1 10.	FF1 100.	FF1 1000.	FF2 10.	FF2 100.	FF2 1000.	FC1 10.	FC1 100.	FC1 1000.	FC2 10.	FC2 100.	FC2 1000.
41	300.	0.7098	0.8982	1.0095	0.7485	0.9234	1.0180	0.6232	0.8770	1.0145	0.6689	0.9058	1.0264
	900.	0.7776	0.9441	1.0269	0.8129	0.9639	1.0344	0.7258	0.9454	1.0363	0.7658	0.9644	1.0481
	2100.	0.8250	0.9707	1.0352	0.8562	0.9861	1.0420	0.7949	0.9811	1.0446	0.8279	0.9923	1.0567
42	300.	0.6213	0.8068	0.9692	0.6551	0.8382	0.9736	0.4153	0.6995	0.9587	0.4613	0.7464	0.9713
	900.	0.7168	0.8756	0.9887	0.7471	0.9005	0.9890	0.5532	0.8181	0.9976	0.6030	0.8573	1.0073
	2100.	0.7944	0.9171	0.9943	0.8196	0.9378	0.9941	0.6727	0.8982	1.0211	0.7226	0.9328	1.0324
43	300.	0.6508	0.8990	1.0065	0.6851	0.9091	1.0192	0.4017	0.6643	0.9577	0.4475	0.7168	0.9762
	900.	0.7343	0.9490	1.0002	0.7642	0.9423	1.0012	0.5342	0.7684	0.9690	0.5793	0.8081	0.9728
	2100.	0.8136	0.9784	0.9895	0.8346	0.9572	0.9835	0.6605	0.8377	0.9677	0.6962	0.8640	0.9651
44	300.	0.4997	0.7813	1.0128	0.5404	0.8214	1.0331	0.4692	0.7952	1.0429	0.5158	0.8400	1.0643
	900.	0.5601	0.8463	1.0502	0.6035	0.8807	1.0680	0.5434	0.8138	0.9692	0.5843	0.8326	0.9649
	2100.	0.6299	0.9237	1.1076	0.6737	0.9517	1.1206	0.6039	0.8250	0.9347	0.6349	0.8313	0.9239
45	300.	0.5096	0.7630	0.9574	0.5525	0.8044	0.9693	0.2612	0.5073	0.8582	0.2926	0.5454	0.8708
	900.	0.5507	0.8047	0.9624	0.5947	0.8408	0.9700	0.3204	0.5767	0.8236	0.3529	0.5966	0.7984
	2100.	0.5965	0.8420	0.9667	0.6395	0.8716	0.9740	0.3869	0.6385	0.8095	0.4176	0.6388	0.7634
46	300.	0.4364	0.6272	0.8671	0.4639	0.6644	0.9051	0.2736	0.4935	0.8221	0.3104	0.5472	0.8430
	900.	0.4814	0.6756	0.9021	0.5073	0.7083	0.9109	0.3291	0.5714	0.8623	0.3693	0.6221	0.8747
	2100.	0.5142	0.7158	0.9135	0.5375	0.7423	0.9145	0.3797	0.6365	0.8901	0.4201	0.6811	0.8968
47	300.	0.5530	0.7266	0.9305	0.5687	0.7523	0.9515	0.2461	0.4314	0.8175	0.2665	0.4721	0.8665
	900.	0.5719	0.7450	0.9463	0.5879	0.7715	0.9711	0.2997	0.5177	0.8912	0.3226	0.5646	0.9370
	2100.	0.5909	0.7615	0.9554	0.6063	0.7876	0.9853	0.3550	0.5976	0.9360	0.3802	0.6452	0.9798
48	300.	0.2903	0.4527	0.7581	0.3057	0.4761	0.7869	0.1622	0.3290	0.7122	0.1756	0.3508	0.7356
	900.	0.3016	0.4740	0.7756	0.3170	0.4955	0.8017	0.1723	0.3425	0.7116	0.1840	0.3590	0.7286
	2100.	0.3168	0.4981	0.8050	0.3314	0.5180	0.8234	0.1867	0.3579	0.7310	0.1956	0.3698	0.7346
49	300.	0.4461	0.6611	0.9551	0.4649	0.6993	0.9414	0.2451	0.4029	0.7504	0.2673	0.4458	0.7972
	900.	0.4815	0.7216	0.9780	0.5024	0.7398	0.9482	0.2944	0.4788	0.8164	0.3205	0.5242	0.8552
	2100.	0.5408	0.7661	0.9853	0.5609	0.7792	0.9380	0.3697	0.5619	0.8616	0.3963	0.6030	0.8928
50	300.	0.3270	0.5530	1.0375	0.3802	0.6481	1.1287	0.1369	0.3506	0.9451	0.1724	0.4372	1.0546
	900.	0.3577	0.6144	1.1082	0.4123	0.7132	1.1850	0.1603	0.4299	1.0495	0.2024	0.5285	1.1387
	2100.	0.3948	0.6978	1.1775	0.4550	0.7978	1.2376	0.2039	0.5393	1.1436	0.2547	0.6428	1.2090
51	300.	0.4970	0.7550	0.9318	0.5297	0.7649	0.8948	0.3626	0.6538	1.0982	0.3660	0.6169	0.8961
	900.	0.5785	0.8380	1.0141	0.6095	0.8407	0.9585	0.4076	0.6879	1.1349	0.4072	0.6402	0.8847
	2100.	0.8029	1.0309	1.1662	0.8320	1.0331	1.1198	0.4564	0.7039	1.1642	0.4492	0.6488	0.8610
52	300.	0.1571	0.3477	0.7133	0.1702	0.3748	0.7441	0.2039	0.3910	0.7458	0.2224	0.4217	0.7729
	900.	0.1762	0.3918	0.7507	0.1898	0.4179	0.7759	0.2341	0.4404	0.7829	0.2530	0.4693	0.8031
	2100.	0.2164	0.4559	0.7916	0.2295	0.4772	0.8089	0.2762	0.4995	0.8137	0.2936	0.5230	0.8257
53	300.	0.2195	0.4049	0.8002	0.2451	0.4631	0.9702	0.1682	0.3571	0.7824	0.1913	0.4145	0.9551
	900.	0.2352	0.4653	0.8870	0.2629	0.5289	1.0664	0.1835	0.4191	0.8729	0.2089	0.4825	1.0550
	2100.	0.2764	0.5755	1.0176	0.3077	0.6435	1.1965	0.2145	0.5216	0.9969	0.2440	0.5901	1.1779
54	300.	0.3007	0.5092	0.8040	0.3082	0.5178	0.8170	0.1510	0.3038	0.6900	0.1551	0.3178	0.7252
	900.	0.3084	0.5299	0.8363	0.3163	0.5387	0.8450	0.1599	0.3319	0.7411	0.1643	0.3461	0.7703
	2100.	0.3250	0.5561	0.8637	0.3332	0.5654	0.8702	0.1759	0.3685	0.7644	0.1805	0.3819	0.8077
55	300.	0.2055	0.3677	0.7428	0.2094	0.3840	0.7823	0.2524	0.4376	0.8032	0.2388	0.4583	0.8384
	900.	0.2170	0.3945	0.7762	0.2212	0.4111	0.8119	0.2503	0.4626	0.8506	0.2572	0.5034	0.8795
	2100.	0.2426	0.4373	0.8170	0.2469	0.4535	0.8466	0.2607	0.5414	0.8962	0.2881	0.5616	0.9182
56	300.	0.1535	0.2858	0.6210	0.1573	0.2951	0.6263	0.1235	0.2622	0.6075	0.1274	0.2715	0.6127
	900.	0.1570	0.2989	0.6347	0.1610	0.3084	0.6337	0.1264	0.2751	0.6212	0.1305	0.2846	0.6198
	2100.	0.1683	0.3225	0.6458	0.1725	0.3315	0.6361	0.1321	0.2938	0.6271	0.1365	0.3029	0.6168
57	300.	0.7984	1.2597	1.8384	0.8753	1.3952	2.0117	0.7268	1.4079	2.2143	0.8558	1.6015	2.4547
	900.	0.8418	1.4678	2.3938	0.9447	1.6505	2.6691	0.7935	1.6796	2.9463	0.9440	1.9344	3.2934
	2100.	0.9863	1.9188	3.3490	1.1276	2.1883	3.7128	0.9504	2.2442	4.1808	1.1510	2.6125	4.6691
58	300.	1.0010	1.0022	1.0023	1.0014	1.0024	1.0026	0.9968	0.9850	0.9848	0.9884	0.9835	0.9826
	900.	1.0079	1.0091	1.0092	1.0082	1.0093	1.0095	1.0041	0.9980	0.9976	1.0017	0.9967	0.9957
	2100.	1.0707	1.0721	1.0724	1.0711	1.0724	1.0727	1.0116	1.0049	1.0039	1.0092	1.0037	1.0026
59	300.	0.9979	1.0019	1.0030	0.9984	1.0018	1.0027	0.9981	1.0016	1.0028	0.9985	1.0016	1.0024
	900.	1.0046	1.0086	1.0098	1.0051	1.0085	1.0095	1.0123	1.0158	1.0169	1.0127	1.0157	1.0166
	2100.	1.0672	1.0715	1.0728	1.0677	1.0714	1.0725	1.0195	1.0231	1.0243	1.0199	1.0230	1.0240
60	300.	0.9912	0.9984	1.0016	0.9919	0.9981	1.0005	0.9912	0.9983	1.0016	0.9919	0.9980	1.0005
	900.	0.9972	1.0045	1.0077	0.9979	1.0041	1.0066	1.0040	1.0112	1.0145	1.0047	1.0108	1.0133
	2100.	1.0537	1.0611	1.0646	1.0544	1.0607	1.0634	1.0105	1.0177	1.0212	1.0112	1.0173	1.0200
61	300.	0.9947	0.9973	0.9995	0.9949	0.9971	0.9987	0.9896	0.9948	0.9991	0.9901	0.9945	0.9976
	900.	1.0003	1.0029	1.0052	1.0005	1.0028	1.0044	1.0004	1.0056	1.0100	1.0009	1.0052	1.0084
	2100.	1.0534	1.0561	1.0586	1.0537	1.0560	1.0577	1.0060	1.0111	1.0157	1.0065	1.0108	1.0141
62	300.	0.9857	0.9911	0.9972	0.9863	0.9913	0.9957	0.9797	0.9867	0.9958	0.9796	0.9870	0.9935
	900.	0.9905	0.9959	1.0020	0.9911	0.9961	1.0005	0.9870	0.9950	1.0041	0.9879	0.9953	1.0018
	2100.	1.0352	1.0405	1.0468	1.0358	1.0406	1.0452	0.9917	0.9994	1.0087	0.9925	0.9996	1.0064
63	300.	0.9833	0.9870	0.9954	0.9839	0.9879	0.9939	0.9741	0.9798	0.9928	0.9750	0.9812	0.9905
	900.	0.9873	0.9909	0.9993	0.9879	0.9918	0.9979	0.9800	0.9856	0.9987	0.9809	0.9870	0.9964
	2100.	1.0239	1.0274	1.0360	1.0245	1.0283	1.0345	0.9638	0.9891	1.0023	0.9846	0.9905	1.0000
64	300.	0.9683	0.9721	0.9873	0.9688	0.9737	0.9844	0.9489	0.9550	0.9795	0.9497	0.9576	0.9749
	900.	0.9715	0.9753	0.9905	0.9720	0.9769	0.9876	0.9530	0.9591	0.9836	0.9538	0.9616	0.9790
	2100.	1.0001	1.0038	1.0190	1.0006	1.0053	1.0161	0.9564	0.9622	0.9867	0.9572	0.9647	0.9820
65	300.	0.9705	0.9663	0.9877	0.9707	0.9714	0.9870	0.9560	0.9548	0.9824	0.9583	0.9593	0.9814
	900.	0.9706	0.9684	0.9877	0.9708	0.9715	0.9870	0.9581	0.9549	0.9825	0.9583	0.9594	0.9814
	2100.	0.9708	0.9690	0.9877	0.9710	0.9720	0.9869	0.9584	0.9558	0.9825	0.9587	0.9600	0.9813
66	300.	0.9495	0.9467	0.9753	0.9499	0.9507	0.9763	0.9250	0.9209	0.9631	0.9256	0.9268	0.9647
	900.	0.9495	0.9468	0.9753	0.9499	0.9507	0.9763	0.9250	0.9210	0.9632	0.9256	0.9268	0.9647
	2100.	0.9495	0.9471	0.9753	0.9499	0.9509	0.9762	0.9250	0.9214	0.9632	0.9256	0.9271	0.9646
67	300.	0.9072	0.9014	0.9341	0.9075	0.9047	0.9414	0.8936	0.8870	0.9244	0.8940	0.8907	0.9328
	900.	0.9072	0.9014	0.9342	0.9075	0.9047	0.9414	0.8936	0.8870	0.9245	0.8940	0.8907	0.9328
	2100.	0.9072	0.9015	0.9342	0.9075	0.9047	0.9414	0.8936	0.8871	0.9245	0.8940	0.8908	0.9327
68	300.	0.7811	0.7753	0.7626	0.7813	0.7769	0.7904	0.7442	0.7376	0.7220	0.7445	0.7394	0.7541
	900.	0.7811	0.7753	0.7626	0.7813	0.7769	0.7904	0.7442	0.7376	0.7221	0.7445	0.7394	0.7541
	2100.	0.7811	0.7753	0.7626	0.7813	0.7769	0.7903	0.7442	0.7376	0.7220	0.7445	0.7394	0.7540
69	300.	0.9216	0.9195	0.8732	0.9216	0.9195	0.8893	0.9210	0.9189	0.8723	0.9211	0.9190	0.8885
	900.	0.9216	0.9195	0.8733	0.9216	0.9195	0.8893	0.9210	0.9189	0.8724	0.9211	0.9190	0.8885
	2100.	0.9216	0.9195	0.8733	0.9216	0.9195	0.8893	0.9210	0.9189	0.8724	0.9211	0.9190	0.8885
70	300.	0.9327	0.9337	0.9435	0.9328	0.9340	0.9456	0.9309	0.9319	0.9419	0.9310	0.9322	0.9441
	900.	0.9327	0.9337	0.9435	0.9328	0.9340	0.9456	0.9309	0.9319	0.9419	0.9310	0.9322	0.9441
	2100.	0.9327	0.9337	0.9435	0.9328	0.9340	0.9456	0.9309	0.9319	0.9419	0.9310	0.9322	0.9441

Table A-4.3.2 (continued)

GROUP	T(K)	VE1 10,0	100,0	1000,0	VE2 10,0	100,0	1000,0	VT1 10,0	100,0	1000,0	VT2 10,0	100,0	1000,0
26	300.	0.9868	0.9975	1.0005	0.9899	0.9984	1.0006	0.9912	1.0095	1.0166	1.0097	1.0228	1.0290
	900.	0.9918	0.9985	1.0002	0.9939	0.9992	1.0005	0.9982	1.0093	1.0140	1.0131	1.0207	1.0247
	2100.	0.9947	0.9993	1.0005	0.9964	0.9999	1.0008	1.0015	1.0089	1.0123	1.0141	1.0190	1.0220
27	300.	0.9882	0.9992	1.0024	0.9926	1.0011	1.0036	0.9949	1.0162	1.0248	1.0183	1.0333	1.0409
	900.	0.9939	1.0000	1.0019	0.9970	1.0014	1.0028	1.0034	1.0151	1.0203	1.0208	1.0284	1.0329
	2100.	0.9971	1.0005	1.0017	0.9994	1.0017	1.0025	1.0071	1.0136	1.0171	1.0215	1.0250	1.0280
28	300.	0.9837	0.9969	1.0009	0.9886	0.9986	1.0016	0.9799	1.0075	1.0180	1.0025	1.0225	1.0313
	900.	0.9912	0.9985	1.0007	0.9946	0.9997	1.0014	0.9936	1.0098	1.0163	1.0113	1.0223	1.0278
	2100.	0.9957	0.9995	1.0009	0.9981	1.0005	1.0015	1.0011	1.0105	1.0149	1.0153	1.0212	1.0248
29	300.	0.9733	0.9948	1.0022	0.9791	0.9980	1.0047	0.9593	1.0071	1.0282	0.9842	1.0307	1.0573
	900.	0.9831	0.9960	0.9998	0.9868	0.9974	1.0006	0.9777	1.0079	1.0192	0.9966	1.0224	1.0332
	2100.	0.9887	0.9965	0.9988	0.9911	0.9972	0.9988	0.9877	1.0073	1.0145	1.0034	1.0185	1.0246
30	300.	0.9587	0.9895	0.9999	0.9667	0.9920	0.9999	0.9343	0.9929	1.0159	0.9669	1.0095	1.0278
	900.	0.9746	0.9955	1.0021	0.9811	0.9979	1.0029	0.9657	1.0071	1.0226	0.9926	1.0219	1.0340
	2100.	0.9839	0.9984	1.0030	0.9892	1.0008	1.0043	0.9843	1.0144	1.0255	1.0055	1.0275	1.0361
31	300.	0.9608	0.9905	1.0004	0.9682	0.9931	1.0007	0.9272	0.9942	1.0204	0.9565	1.0117	1.0336
	900.	0.9754	0.9957	1.0019	0.9811	0.9980	1.0027	0.9601	1.0089	1.0268	0.9847	1.0245	1.0395
	2100.	0.9831	0.9974	1.0015	0.9874	0.9992	1.0023	0.9786	1.0142	1.0274	1.0008	1.0292	1.0402
32	300.	0.9536	0.9890	1.0012	0.9623	0.9915	1.0007	0.9096	0.9846	1.0146	0.9369	0.9963	1.0196
	900.	0.9729	0.9966	1.0039	0.9798	0.9986	1.0040	0.9537	1.0067	1.0261	0.9770	1.0177	1.0325
	2100.	0.9847	1.0006	1.0054	0.9902	1.0027	1.0062	0.9815	1.0188	1.0327	1.0030	1.0308	1.0413
33	300.	0.9468	0.9857	0.9991	0.9557	0.9893	0.9996	0.8632	0.9770	1.0155	0.9163	0.9984	1.0303
	900.	0.9664	0.9932	1.0009	0.9730	0.9957	1.0015	0.9284	0.9962	1.0200	0.9556	1.0128	1.0318
	2100.	0.9769	0.9975	1.0021	0.9839	0.9996	1.0030	0.9597	1.0076	1.0234	0.9833	1.0233	1.0359
34	300.	0.9292	0.9801	1.0001	0.9406	0.9852	1.0011	0.8408	0.9638	1.0243	0.8869	0.9937	1.0453
	900.	0.9512	0.9918	1.0056	0.9616	0.9968	1.0077	0.8933	0.9957	1.0396	0.9358	1.0243	1.0620
	2100.	0.9678	1.0011	1.0113	0.9775	1.0064	1.0146	0.9347	1.0225	1.0579	0.9769	1.0544	1.0859
35	300.	0.9252	0.9680	0.9874	0.9325	0.9694	0.9849	0.8160	0.9285	0.9874	0.8603	0.9549	1.0042
	900.	0.9433	0.9734	0.9862	0.9482	0.9731	0.9830	0.8657	0.9482	0.9874	0.9046	0.9702	1.0028
	2100.	0.9552	0.9765	0.9854	0.9586	0.9755	0.9823	0.8989	0.9602	0.9880	0.9305	0.9778	1.0011
36	300.	0.8623	0.9460	0.9961	0.8789	0.9557	0.9968	0.7155	0.8933	1.0101	0.7554	0.9290	1.0348
	900.	0.8972	0.9589	0.9902	0.9099	0.9632	0.9878	0.7856	0.9305	1.0067	0.8207	0.9538	1.0201
	2100.	0.9172	0.9598	0.9793	0.9254	0.9597	0.9741	0.8362	0.9443	0.9932	0.8644	0.9579	0.9976
37	300.	0.8570	0.9455	1.0030	0.8753	0.9599	1.0086	0.7216	0.8882	1.0227	0.7639	0.9273	1.0479
	900.	0.8912	0.9700	1.0097	0.9096	0.9821	1.0153	0.7826	0.9471	1.0489	0.8270	0.9840	1.0741
	2100.	0.9177	0.9825	1.0103	0.9344	0.9916	1.0143	0.8344	0.9776	1.0523	0.8777	1.0070	1.0694
38	300.	0.8867	0.9547	0.9986	0.8991	0.9627	0.9992	0.6858	0.8587	0.9801	0.7157	0.8782	0.9808
	900.	0.9328	0.9827	1.0088	0.9439	0.9895	1.0113	0.7851	0.9261	1.0088	0.8155	0.9460	1.0132
	2100.	0.9660	0.9988	1.0159	0.9752	1.0056	1.0194	0.8795	0.9832	1.0374	0.9063	1.0012	1.0464
39	300.	0.8302	0.9240	0.9940	0.8442	0.9361	0.9959	0.5816	0.7822	0.9665	0.6108	0.8077	0.9676
	900.	0.8573	0.9485	1.0005	0.8714	0.9574	1.0008	0.6333	0.8435	0.9925	0.6660	0.8662	0.9921
	2100.	0.8781	0.9622	1.0013	0.8915	0.9684	1.0003	0.6831	0.8667	1.0042	0.7183	0.9061	1.0027
40	300.	0.8420	0.9423	1.0246	0.8557	0.9636	1.0307	0.5648	0.7934	1.0056	0.5983	0.8297	1.0256
	900.	0.8786	0.9827	1.0362	0.8899	1.0035	1.0466	0.6308	0.6782	1.0563	0.6659	0.9166	1.0785
	2100.	0.9047	1.0140	1.0503	0.9171	1.0339	1.0639	0.6968	0.9580	1.1043	0.7364	1.0010	1.1333
41	300.	0.9496	0.9842	1.0034	0.9563	0.9886	1.0056	0.7229	0.8871	1.0169	0.7548	0.9159	1.0311
	900.	0.9609	0.9934	1.0074	0.9671	0.9964	1.0094	0.7813	0.9404	1.0411	0.8137	0.9658	1.0550
	2100.	0.9700	0.9993	1.0097	0.9756	1.0010	1.0115	0.8294	0.9763	1.0565	0.8616	0.9998	1.0725
42	300.	0.7995	0.8909	0.9843	0.8159	0.9084	0.9888	0.5042	0.6927	0.9468	0.5353	0.7348	0.9634
	900.	0.8502	0.9363	1.0034	0.8676	0.9512	1.0061	0.5817	0.7948	0.9915	0.6194	0.8357	1.0041
	2100.	0.8938	0.9675	1.0145	0.9111	0.9801	1.0168	0.6681	0.8794	1.0246	0.7123	0.9199	1.0394
43	300.	0.7299	0.8476	0.9841	0.7472	0.8686	0.9981	0.4493	0.6589	0.9419	0.4823	0.6988	0.9781
	900.	0.7713	0.8844	0.9718	0.7883	0.8963	0.9742	0.5278	0.7469	0.9436	0.5675	0.7797	0.9535
	2100.	0.8110	0.9092	0.9647	0.8248	0.9129	0.9623	0.6256	0.8154	0.9474	0.6655	0.8421	0.9507
44	300.	0.9005	0.9571	1.0089	0.9116	0.9679	1.0143	0.5227	0.7329	0.9880	0.5613	0.7805	1.0065
	900.	0.9057	0.9616	1.0033	0.9162	0.9687	1.0054	0.5620	0.7796	0.9822	0.6045	0.8163	0.9878
	2100.	0.9170	0.9742	1.0104	0.9267	0.9784	1.0100	0.6075	0.8333	1.0095	0.6492	0.8592	1.0065
45	300.	0.6857	0.7661	0.9188	0.6969	0.7767	0.9238	0.3594	0.5342	0.8329	0.3817	0.5699	0.8580
	900.	0.7072	0.7927	0.8978	0.7177	0.7951	0.8816	0.3820	0.5797	0.8090	0.4086	0.6117	0.8067
	2100.	0.7304	0.8168	0.8901	0.7402	0.8104	0.8618	0.4133	0.6260	0.7972	0.4430	0.6491	0.7833
46	300.	0.7749	0.8417	0.9685	0.7910	0.8669	0.9847	0.3745	0.4913	0.7244	0.3947	0.5151	0.7154
	900.	0.8038	0.8827	1.0001	0.8214	0.9080	1.0123	0.4014	0.5349	0.7574	0.4213	0.5545	0.7357
	2100.	0.8271	0.9203	1.0280	0.8463	0.9444	1.0373	0.4212	0.5727	0.7805	0.4400	0.5871	0.7487
47	300.	0.7643	0.8165	0.9407	0.7729	0.8327	0.9581	0.4063	0.5377	0.8077	0.4209	0.5614	0.8325
	900.	0.7879	0.8539	0.9759	0.7984	0.8730	0.9921	0.4257	0.5705	0.8589	0.4418	0.5978	0.8834
	2100.	0.8081	0.8852	0.9959	0.8196	0.9047	1.0110	0.4485	0.6057	0.8947	0.4654	0.6341	0.9184
48	300.	0.5663	0.6380	0.8507	0.5779	0.6581	0.8844	0.2319	0.3451	0.6197	0.2544	0.3778	0.6771
	900.	0.5707	0.6472	0.8757	0.5819	0.6677	0.9034	0.2351	0.3585	0.6686	0.2587	0.3938	0.7271
	2100.	0.5744	0.6599	0.9104	0.5846	0.6804	0.9246	0.2392	0.3742	0.7214	0.2640	0.4119	0.7729
49	300.	0.6143	0.6815	0.8614	0.6287	0.7054	0.8862	0.2579	0.4115	0.7666	0.2732	0.4461	0.8035
	900.	0.6267	0.7058	0.8871	0.6428	0.7320	0.9068	0.2727	0.4527	0.8260	0.2914	0.4931	0.8523
	2100.	0.6523	0.7389	0.9066	0.6681	0.7632	0.9207	0.3105	0.5142	0.8706	0.3330	0.5554	0.8828
50	300.	0.6233	0.7141	0.9815	0.6467	0.7594	1.0304	0.2117	0.3194	0.8827	0.2369	0.3817	1.0345
	900.	0.6298	0.7477	1.0273	0.6564	0.7988	1.0641	0.2155	0.3620	1.0221	0.2440	0.4431	1.1665
	2100.	0.6484	0.7970	1.0704	0.6789	0.8505	1.0934	0.2309	0.4414	1.1512	0.2674	0.5432	1.2757
51	300.	1.0141	1.0094	0.9982	1.0159	1.0117	1.0050	0.7370	0.8405	0.9700	0.7470	0.8439	0.9316
	900.	0.9861	0.9819	0.9714	0.9874	0.9837	0.9783	0.7394	0.8501	0.9734	0.7505	0.8495	0.9246
	2100.	0.9688	0.9658	0.9544	0.9701	0.9675	0.9626	0.7785	0.8632	0.9939	0.7893	0.8607	0.9406
52	300.	0.8913	0.9189	0.9692	0.8978	0.9281	0.9769	0.1984	0.2959	0.5943	0.2089	0.3161	0.6166
	900.	0.8683	0.8988	0.9480	0.8730	0.9074	0.9546	0.2075	0.3215	0.6371	0.2199	0.3453	0.6512
	2100.	0.8529	0.8898	0.9362	0.8591	0.8968	0.9414	0.2289	0.3651	0.6783	0.2428	0.3902	0.6819
53	300.	0.9199	0.9305	0.9764	0.9282	0.9434	1.0038	0.2561	0.3617	0.7934	0.2721	0.3989	0.9406
	900.	0.8975	0.9146	0.9651	0.9056	0.9279	0.9914	0.2517	0.3786	0.8942	0.2679	0.4229	1.0486
	2100.	0.8908	0.9179	0.9702	0.8986	0.9309	0.9949	0.2578	0.4295	1.0245	0.2752	0.4825	1.1680
54	300.	0.7963	0.8637	0.9397	0.7997	0.8664	0.9426	0.1871	0.3163	0.6297	0.1950	0.3320	0.6661
	900.	0.7757	0.8472	0.9300	0.7792	0.8501	0.9308	0.1663	0.3220	0.6749	0.1944	0.3400	0.7104
	2100.	0.7656	0.8400	0.9256	0.7692	0.8432	0.9255	0.1907	0.3358	0.7167	0.1993	0.3561	0.7500
55	300.	0.8903	0.9314	0.9824	0.8966	0.9412	0.9914	0.1402	0.2554	0.6370	0.1463	0.2773	0.6952
	900.	0.8692	0.9180	0.9703	0.8754	0.9274	0.9770	0.1397	0.2588	0.6905	0.1462	0.2945	0.7460
	2100.	0.8578	0.9164	0.9663	0.8638	0.9252	0.9713	0.1448	0.2954	0.7517	0.1520	0.3254	0.8004
56	300.	0.8739	0.9133	0.9552	0.8753	0.9141	0.9547	0.1543	0.2059	0.4474	0.1568	0.2130	0.4565
	900.	0.8484	0.8888	0.9316	0.8499	0.8895	0.9299	0.1531	0.2083	0.4702	0.1557	0.2167	0.4741
	2100.	0.8319	0.8729	0.9146	0.8333	0.8735	0.9115	0.1557	0.2188	0.4958	0.1585	0.2286	0.4905
57	300.	1.0042	0.9471	0.8990	0.9912	0.9329	0.8862	0.7909	1.2844	2.1287	0.8868	1.4903	2.3896
	900.	0.9813	0.9269	0.8825	0.9692	0.9147	0.8727	0.7892	1.3679	2.6743	0.8880	1.6267	3.0727
	2100.	0.9714	0.9234	0.8916	0.9610	0.9148	0.8879	0.8307	1.6289	3.6374	0.9440	1.9954	4.2017
58	300.	1.0018	1.0031	1.0032	1.0023	1.0035	1.0037	1.0024	1.0030	1.0031	1.0039	1.0042	1.0044
	900.	0.9802	0.9816	0.9817	0.9807	0.9819	0.9821	0.9933	0.9939	0.9941	0.9948	0.9951	0.9954
	2100.	0.9674	0.9689	0.9692	0.9679	0.9692	0.9694	1.0096	1.0103	1.0106	1.0112	1.0116	1.0119
59	300.	0.9996	1.0003	1.0005	0.9997	1.0003	1.0005	0.9988	1.0010	1.0016	0.9991	1.0010	1.0015
	900.	0.9791	0.9799	0.9801	0.9792	0.9798	0.9800	0.9905	0.9927	0.9934	0.9908	0.9927	0.9932
	2100.	0.9669	0.9677	0.9679	0.9670	0.9676	0.9679	1.0078	1.0101	1.0109	1.0081	1.0101	1.0107
60	300.	0.9995	0.9999	1.0001	0.9995	0.9999	1.0000	0.9948	0.9990	1.0008	0.9953	0.9988	1.0002
	900.	0.9797	0.9801	0.9803	0.9797	0.9801	0.9802	0.9878	0.9920	0.9938	0.9883	0.9918	0.9932
	2100.	0.9679	0.9683	0.9685	0.9680	0.9683	0.9685	1.0057	1.0100	1.0119	1.0062	1.0098	1.0113

Table A-4.3.2 (continued)

GROUP	T(K)	FE1			FE2			FT1			FT2		
		10.0	100.0	1000.0	10.0	100.0	1000.0	10.0	100.0	1000.0	10.0	100.0	1000.0
61	300.	0.9995	0.9997	1.0000	0.9995	0.9997	0.9999	0.9961	0.9981	0.9997	0.9964	0.9981	0.9992
	900.	0.9803	0.9805	0.9808	0.9803	0.9805	0.9807	0.9902	0.9922	0.9938	0.9905	0.9921	0.9933
	2100.	0.9688	0.9691	0.9693	0.9688	0.9691	0.9692	1.0090	1.0110	1.0127	1.0092	1.0110	1.0121
62	300.	0.9993	0.9996	0.9999	0.9993	0.9996	0.9998	0.9887	0.9936	0.9981	0.9895	0.9939	0.9971
	900.	0.9806	0.9809	0.9812	0.9807	0.9809	0.9811	0.9842	0.9891	0.9935	0.9849	0.9893	0.9925
	2100.	0.9695	0.9697	0.9700	0.9695	0.9697	0.9700	1.0025	1.0073	1.0119	1.0032	1.0075	1.0109
63	300.	0.9990	0.9992	0.9997	0.9990	0.9993	0.9996	0.9842	0.9892	0.9963	0.9851	0.9900	0.9952
	900.	0.9808	0.9810	0.9815	0.9808	0.9810	0.9814	0.9810	0.9860	0.9931	0.9819	0.9868	0.9920
	2100.	0.9699	0.9701	0.9706	0.9699	0.9702	0.9705	0.9980	1.0029	1.0102	0.9989	1.0038	1.0091
64	300.	0.9868	0.9889	0.9938	0.9868	0.9890	0.9922	0.9591	0.9666	0.9814	0.9601	0.9677	0.9779
	900.	0.9696	0.9717	0.9766	0.9696	0.9717	0.9750	0.9571	0.9647	0.9795	0.9582	0.9658	0.9760
	2100.	0.9594	0.9615	0.9663	0.9594	0.9615	0.9647	0.9719	0.9793	0.9942	0.9729	0.9803	0.9906
65	300.	0.9975	0.9974	0.9990	0.9976	0.9976	0.9989	0.9605	0.9650	0.9874	0.9617	0.9687	0.9868
	900.	0.9975	0.9974	0.9990	0.9976	0.9976	0.9989	0.9605	0.9651	0.9875	0.9617	0.9688	0.9868
	2100.	0.9976	0.9974	0.9990	0.9976	0.9977	0.9989	0.9608	0.9657	0.9875	0.9620	0.9692	0.9868
66	300.	0.9949	0.9946	0.9975	0.9950	0.9950	0.9976	0.9201	0.9299	0.9712	0.9221	0.9359	0.9728
	900.	0.9949	0.9946	0.9975	0.9950	0.9950	0.9976	0.9201	0.9300	0.9712	0.9221	0.9359	0.9728
	2100.	0.9949	0.9947	0.9975	0.9950	0.9951	0.9974	0.9201	0.9302	0.9712	0.9221	0.9361	0.9727
67	300.	0.9883	0.9875	0.9917	0.9883	0.9879	0.9927	0.8515	0.8622	0.9226	0.8534	0.8687	0.9318
	900.	0.9883	0.9875	0.9917	0.9883	0.9879	0.9927	0.8515	0.8622	0.9226	0.8534	0.8687	0.9318
	2100.	0.9883	0.9875	0.9917	0.9883	0.9880	0.9926	0.8515	0.8622	0.9226	0.8534	0.8687	0.9317
68	300.	0.9626	0.9616	0.9596	0.9626	0.9619	0.9645	0.6448	0.6538	0.6992	0.6461	0.6589	0.7309
	900.	0.9626	0.9616	0.9597	0.9626	0.9619	0.9645	0.6448	0.6538	0.6992	0.6461	0.6589	0.7309
	2100.	0.9626	0.9616	0.9597	0.9626	0.9618	0.9645	0.6448	0.6538	0.6992	0.6461	0.6589	0.7308
69	300.	1.0347	1.0358	1.0564	1.0347	1.0358	1.0505	0.8539	0.8542	0.8264	0.8541	0.8551	0.8459
	900.	1.0347	1.0358	1.0564	1.0347	1.0358	1.0505	0.8539	0.8542	0.8264	0.8541	0.8551	0.8459
	2100.	1.0347	1.0358	1.0564	1.0347	1.0358	1.0505	0.8539	0.8542	0.8264	0.8541	0.8551	0.8459
70	300.	0.9726	0.9729	0.9771	0.9726	0.9731	0.9779	0.8535	0.8575	0.8884	0.8539	0.8590	0.8958
	900.	0.9726	0.9729	0.9771	0.9726	0.9731	0.9779	0.8535	0.8575	0.8884	0.8539	0.8590	0.8958
	2100.	0.9726	0.9729	0.9771	0.9726	0.9731	0.9779	0.8535	0.8575	0.8884	0.8539	0.8590	0.8958

GROUP	T(K)	FR1			FR2		
		10.0	100.0	1000.0	10.0	100.0	1000.0
26	300.	0.6745	0.9049	0.9358	0.6593	0.8733	0.9007
	900.	0.6743	0.9036	0.9338	0.6579	0.8701	0.8966
	2100.	0.6732	0.9011	0.9305	0.6551	0.8649	0.8903
27	300.	0.6647	0.9144	0.9531	0.6563	0.8887	0.9234
	900.	0.6632	0.9115	0.9487	0.6526	0.8821	0.9152
	2100.	0.6575	0.9019	0.9369	0.6424	0.8661	0.8967
28	300.	0.6362	0.8751	0.9111	0.6190	0.8259	0.8556
	900.	0.6350	0.8758	0.9112	0.6151	0.8226	0.8515
	2100.	0.6380	0.8509	0.9166	0.6184	0.8282	0.8575
29	300.	0.6582	0.9294	0.9828	0.6749	0.9072	0.9537
	900.	0.6623	0.9368	0.9908	0.6825	0.9173	0.9646
	2100.	0.6691	0.9466	1.0021	0.6958	0.9342	0.9835
30	300.	0.6477	0.8863	0.9480	0.6697	0.8515	0.9016
	900.	0.6587	0.8926	0.9514	0.6821	0.8554	0.9026
	2100.	0.6666	0.8982	0.9558	0.6919	0.8605	0.9066
31	300.	0.6579	0.8644	0.9322	0.7031	0.8563	0.9193
	900.	0.6560	0.8457	0.9068	0.6938	0.8273	0.8833
	2100.	0.6507	0.8255	0.8802	0.6819	0.7977	0.8468
32	300.	0.7398	0.8766	0.9456	0.7758	0.8543	0.9119
	900.	0.7525	0.8748	0.9400	0.7889	0.8477	0.9019
	2100.	0.7540	0.8636	0.9247	0.7891	0.8329	0.8837
33	300.	0.7813	0.8487	0.9196	0.8029	0.8202	0.8777
	900.	0.8028	0.8508	0.9198	0.8225	0.8225	0.8781
	2100.	0.8182	0.8538	0.9218	0.8520	0.8279	0.8827
34	300.	0.7259	0.8508	0.9995	0.7601	0.8565	0.9876
	900.	0.7305	0.8475	0.9808	0.7578	0.8418	0.9571
	2100.	0.7447	0.8590	0.9866	0.7733	0.8525	0.9628
35	300.	0.6299	0.7032	0.8098	0.6291	0.6797	0.7672
	900.	0.6082	0.6472	0.7259	0.5933	0.6006	0.6563
	2100.	0.6033	0.6231	0.6882	0.5816	0.5703	0.6144
36	300.	0.6335	0.7521	0.9079	0.6566	0.7483	0.8724
	900.	0.6758	0.7664	0.9028	0.6998	0.7558	0.8616
	2100.	0.7133	0.7747	0.8970	0.7358	0.7609	0.8530
37	300.	0.8559	0.7691	0.8580	0.8081	0.7246	0.7878
	900.	0.8943	0.7658	0.8506	0.8450	0.7191	0.7757
	2100.	0.9177	0.7643	0.8443	0.8692	0.7188	0.7681
38	300.	0.3257	0.7802	0.9055	0.3186	0.7191	0.8633
	900.	0.3076	0.7496	0.9002	0.3049	0.7205	0.8500
	2100.	0.2956	0.7514	0.8908	0.2959	0.7143	0.8325
39	300.	0.3228	0.7025	0.8769	0.3376	0.6697	0.8241
	900.	0.3130	0.6947	0.8727	0.3357	0.6602	0.8157
	2100.	0.3106	0.6851	0.8609	0.3386	0.6464	0.7978
40	300.	0.7658	0.7760	0.9318	0.8456	0.7612	0.8977
	900.	0.8996	0.7644	0.9254	0.9722	0.7490	0.8859
	2100.	1.0113	0.7539	0.9168	1.0804	0.7378	0.8717
41	300.	0.9038	0.8250	0.9169	0.9396	0.8613	0.8959
	900.	0.9613	0.8223	0.9030	0.9999	0.8789	0.8822
	2100.	0.9974	0.8245	0.8925	1.0389	0.9006	0.8708
42	300.	0.6031	0.6699	0.8873	0.6196	0.7231	0.8597
	900.	0.6231	0.6954	0.8845	0.6390	0.7444	0.8581
	2100.	0.6254	0.7023	0.8795	0.6429	0.7646	0.8582
43	300.	0.9274	0.7141	0.8654	0.8923	0.7598	0.8377
	900.	0.9435	0.7338	0.8632	0.9247	0.7997	0.8419
	2100.	0.9553	0.7576	0.8577	0.9546	0.8383	0.8497
44	300.	0.9310	0.8144	0.8981	0.9705	0.8856	0.8842
	900.	0.8090	0.7790	0.8339	0.8326	0.8360	0.8145
	2100.	0.6759	0.7212	0.7388	0.6975	0.7518	0.7123
45	300.	0.5678	0.8202	0.9175	0.5681	0.8665	0.9210
	900.	0.6029	0.8493	0.9173	0.6231	0.8922	0.9305
	2100.	0.6417	0.8784	0.9205	0.6603	0.9177	0.9522
46	300.	1.1540	1.1625	1.1257	1.1800	1.1636	1.0622
	900.	1.2853	1.2687	1.1898	1.2878	1.2472	1.1266
	2100.	1.4164	1.3755	1.2494	1.3841	1.3191	1.1830
47	300.	1.3787	0.8632	0.8255	1.3893	0.9223	0.8210
	900.	1.4641	0.8973	0.8031	1.4667	0.9391	0.8100
	2100.	1.5502	0.9262	0.7810	1.5416	0.9539	0.8121
48	300.	0.4140	0.7340	0.7195	0.4583	0.7928	0.7322
	900.	0.4065	0.7486	0.6951	0.4524	0.8104	0.7427
	2100.	0.3745	0.7243	0.6517	0.4196	0.7911	0.7511
49	300.	1.5075	1.1559	0.8760	1.4113	1.1507	0.9585
	900.	1.5637	1.1755	0.8650	1.4670	1.1672	0.9849
	2100.	1.6100	1.1857	0.8589	1.5186	1.1798	1.0267
50	300.	0.9851	0.7089	0.4233	0.6313	0.4821	0.3050
	900.	0.8467	0.6975	0.3942	0.6108	0.4684	0.2910
	2100.	0.6006	0.5028	0.2645	0.4247	0.3198	0.1935
51	300.	1.4770	1.3576	0.9900	1.5261	1.4184	1.2050
	900.	1.5119	1.3822	0.9809	1.5523	1.4375	1.2345
	2100.	1.4911	1.4022	0.9762	1.5322	1.4533	1.2716
52	300.	0.3399	0.5275	0.5294	0.2763	0.4030	0.4446
	900.	0.3393	0.5062	0.5112	0.2722	0.3849	0.4334
	2100.	0.3018	0.4416	0.4596	0.2374	0.3294	0.3856
53	300.	1.1586	1.3785	1.1601	1.3499	1.6012	1.5315
	900.	1.2098	1.4597	1.1916	1.3985	1.6764	1.5917
	2100.	1.3006	1.6097	1.2949	1.4827	1.8105	1.7092
54	300.	1.8942	1.1763	1.0120	1.8923	1.2350	1.1235
	900.	1.9474	1.2192	1.0203	1.9431	1.2669	1.1320
	2100.	2.0280	1.2854	1.0511	2.0197	1.3160	1.1480
55	300.	1.3411	0.9952	0.8928	1.2851	0.9718	0.8947
	900.	1.3971	1.0372	0.8907	1.3342	1.0033	0.8882
	2100.	1.4986	1.0942	0.8995	1.4284	1.0500	0.8885
56	300.	0.0290	0.1366	0.5059	0.0305	0.1392	0.5014
	900.	0.0310	0.1468	0.5358	0.0327	0.1501	0.5262
	2100.	0.0372	0.1705	0.5801	0.0392	0.1740	0.5601
57	300.	1.9360	1.0226	0.3865	1.9190	1.0129	0.4361
	900.	2.0733	1.0968	0.3870	2.0543	1.0893	0.4432
	2100.	2.3935	1.2567	0.3959	2.3726	1.2433	0.4564
58	300.	1.1479	1.3773	1.4034	1.2127	1.4188	1.4628
	900.	1.1514	1.3880	1.4235	1.2154	1.4237	1.4726
	2100.	1.1514	1.4043	1.4567	1.2145	1.4371	1.4908
59	300.	0.8890	1.0680	1.1264	0.9074	1.0619	1.1109
	900.	0.8888	1.0695	1.1300	0.9072	1.0627	1.1123
	2100.	0.8864	1.0701	1.1361	0.9045	1.0628	1.1154
60	300.	0.8118	0.9520	1.0268	0.8246	0.9436	1.0004
	900.	0.8118	0.9523	1.0281	0.8246	0.9436	1.0008
	2100.	0.8121	0.9511	1.0305	0.8243	0.9427	1.0022
61	300.	0.8385	0.8974	0.9784	0.8175	0.8928	0.9501
	900.	0.8085	0.8975	0.9790	0.8175	0.8927	0.9502
	2100.	0.8091	0.8958	0.9802	0.8175	0.8915	0.9511
62	300.	0.7542	0.8350	0.9443	0.7639	0.8395	0.9175
	900.	0.7544	0.8349	0.9447	0.7641	0.8394	0.9175
	2100.	0.7567	0.8336	0.9454	0.7657	0.8383	0.9180
63	300.	0.7372	0.7860	0.9201	0.7452	0.8012	0.8974
	900.	0.7374	0.7860	0.9203	0.7454	0.8011	0.8974
	2100.	0.7398	0.7854	0.9206	0.7474	0.8005	0.8976
64	300.	0.5307	0.6085	0.7893	0.5341	0.6132	0.7365
	900.	0.5307	0.6085	0.7894	0.5341	0.6132	0.7366
	2100.	0.5339	0.6089	0.7886	0.5365	0.6125	0.7349
65	300.	0.6735	0.6474	0.8527	0.6763	0.6800	0.8483
	900.	0.6738	0.6481	0.8529	0.6766	0.6806	0.8484
	2100.	0.6752	0.6533	0.8530	0.6780	0.6843	0.8476
66	300.	0.5853	0.5671	0.7766	0.5882	0.5926	0.7878
	900.	0.5853	0.5673	0.7767	0.5882	0.5928	0.7879
	2100.	0.5853	0.5689	0.7767	0.5882	0.5936	0.7873
67	300.	0.5088	0.4839	0.6114	0.5102	0.4958	0.6524
	900.	0.5088	0.4839	0.6116	0.5102	0.4958	0.6525
	2100.	0.5088	0.4841	0.6115	0.5102	0.4959	0.6521
68	300.	0.3336	0.3204	0.2556	0.3340	0.3231	0.3187
	900.	0.3336	0.3204	0.2557	0.3340	0.3231	0.3187
	2100.	0.3336	0.3204	0.2556	0.3340	0.3231	0.3185
69	300.	0.7181	0.7075	0.5112	0.7181	0.7075	0.5632
	900.	0.7181	0.7075	0.5113	0.7181	0.7075	0.5632
	2100.	0.7181	0.7075	0.5113	0.7181	0.7075	0.5631
70	300.	1.3836	1.3791	1.3302	1.3831	1.3768	1.3139
	900.	1.3836	1.3791	1.3302	1.3831	1.3768	1.3139
	2100.	1.3836	1.3791	1.3302	1.3831	1.3768	1.3139

Table A-4.4.1 INFINITE DILUTION CROSS SECTION CODE NO = 940   PU-240,1 .... PAGE 1

GROUP	TOTAL	FISSION	NU	CAPTURE	INELASTIC	ELASTIC	MU	ELAS REMOVAL
23	1.39345E 01	1.13573E-01	2.87577E 00	6.43564E-01	6.82882E-03	1.31706E 01	5.37961E-02	4.15849E-01
24	1.42491E 01	1.24902E-01	2.87443E 00	7.41118E-01	0.0	1.33831E 01	4.25662E-02	4.20373E-01
25	1.44471E 01	1.28279E-01	2.87341E 00	8.28291E-01	0.0	1.34905E 01	3.34621E-02	4.29107E-01
26	1.45984E 01	1.17702E-01	2.87261E 00	9.14554E-01	0.0	1.35661E 01	2.63052E-02	4.33047E-01
27	1.49527E 01	9.51803E-02	2.87201E 00	1.02510E 00	0.0	1.38324E 01	2.08242E-02	4.57576E-01
28	1.54006E 01	7.06930E-02	2.87151E 00	1.14249E 00	0.0	1.41874E 01	1.66034E-02	4.66843E-01
29	1.57763E 01	5.48309E-02	2.87110E 00	1.25053E 00	0.0	1.44709E 01	1.33503E-02	4.68730E-01
30	1.59355E 01	6.63150E-02	2.87079E 00	1.32444E 00	0.0	1.45448E 01	1.08514E-02	4.80325E-01
31	1.69022E 01	9.35232E-02	2.87056E 00	1.50466E 00	0.0	1.53040E 01	8.93822E-03	5.17087E-01
32	1.71630E 01	1.19357E-01	2.87040E 00	1.62189E 00	0.0	1.54217E 01	1.20034E-02	4.27120E-01
33	1.72036E 01	1.57496E-01	2.87027E 00	1.89609E 00	0.0	1.51500E 01	2.80121E-03	3.76933E-01
34	2.12024E 01	2.69429E-01	2.87018E 00	2.58598E 00	0.0	1.83470E 01	2.80121E-03	3.64840E-01
35	2.14393E 01	3.22783E-01	2.87008E 00	2.72956E 00	0.0	1.83870E 01	2.80121E-03	4.80541E-01
36	2.38673E 01	1.96566E-01	2.87001E 00	3.21423E 00	0.0	2.04565E 01	2.80121E-03	9.86847E-01
37	2.18334E 01	1.31545E-01	2.86997E 00	3.83324E 00	0.0	1.78686E 01	2.80121E-03	8.75868E-01
38	3.04517E 01	4.98441E-01	2.86992E 00	5.98144E 00	0.0	2.39718E 01	2.80121E-03	2.69480E-01
39	2.27231E 01	2.81246E-01	2.86990E 00	4.25212E 00	0.0	1.81898E 01	2.80121E-03	3.72650E-01
40	2.08076E 01	1.78572E-01	2.86988E 00	6.42715E 00	0.0	1.42019E 01	2.80121E-03	3.38945E-01
41	2.87370E 01	1.98636E-01	2.86974E 00	7.43735E 00	0.0	2.11010E 01	2.80121E-03	6.44840E-01
42	4.57840E 01	2.41641E-01	2.86973E 00	1.13642E 01	0.0	3.41782E 01	2.80121E-03	1.59737E-01
43	1.89357E 01	2.10265E-01	2.86984E 00	6.13433E 00	0.0	1.25911E 01	2.80121E-03	3.17276E-01
44	2.97846E 01	2.52971E-01	2.86983E 00	1.19070E 01	0.0	1.76246E 01	2.80121E-03	2.76571E-01
45	4.45032E 01	3.19868E-01	2.86982E 00	2.20726E 01	0.0	2.21107E 01	2.80121E-03	3.17767E-01
46	9.69619E 01	4.03636E-01	2.86982E 00	4.17566E 01	0.0	5.48016E 01	2.80121E-03	2.03645E-01
47	4.11611E 01	1.32886E-01	2.86981E 00	2.43220E 01	0.0	1.67062E 01	2.80121E-03	4.54268E-01
48	2.64705E 02	7.42634E-01	2.86981E 00	1.01214E 02	0.0	1.62748E 02	2.80121E-03	1.48090E-01
49	8.14751E 00	1.69809E-03	2.86981E 00	2.68385E-01	0.0	7.87742E 00	2.80121E-03	3.54205E-01
50	3.24551E 02	9.52346E-01	2.86981E 00	2.02317E 02	0.0	1.21282E 02	2.80121E-03	6.55880E-02
51	5.81337E 00	2.03433E-03	2.86980E 00	4.61144E-01	0.0	5.35019E 00	2.80121E-03	2.15421E-01
52	7.78744E 00	2.35764E-03	2.86980E 00	4.19588E-01	0.0	7.36049E 00	2.80121E-03	2.86174E-01
53	9.06309E 01	4.76515E-01	2.86980E 00	7.72879E 01	0.0	1.28665F 01	2.80121E-03	2.47280E-01
54	8.26028E 00	9.37418E-04	2.86980E 00	2.42566E-01	0.0	8.01678E 00	2.80121E-03	2.75474E-01
55	8.83916E 00	6.58446E-04	2.86980E 00	2.78407E-01	0.0	8.56009E 00	2.80121E-03	2.89795E-01
56	9.55430E 00	6.36786E-04	2.86980E 00	4.35619E-01	0.0	9.11805E 00	2.80121E-03	3.06811E-01
57	1.06227E 01	7.06112E-04	2.86980E 00	7.69036E-01	0.0	9.85295E 00	2.80121E-03	3.35661E-01
58	1.23342E 01	8.70133E-04	2.86980E 00	1.45751E 00	0.0	1.08759E 01	2.80121E-03	3.82046E-01
59	1.53582E 01	1.21155E-03	2.86980E 00	2.97517E 00	0.0	1.23818E 01	2.80121E-03	4.36447E-01
60	2.13579E 01	1.99069E-03	2.86980E 00	6.68144E 00	0.0	1.46745E 01	2.80121E-03	5.20473E-01
61	3.57243E 01	4.06695E-03	2.86980E 00	1.70982E 01	0.0	1.86221E 01	2.80121E-03	7.07353E-01
62	8.28712E 01	1.13097E-02	2.86980E 00	5.44807E 01	0.0	2.83792E 01	2.80121E-03	1.20666E 00
63	3.58614E 02	5.67730E-02	2.86980E 00	2.91995E 02	0.0	6.65622E 01	2.80121E-03	3.98751E 00
64	3.12829E 04	5.50898E 00	2.86980E 00	2.88532E 04	0.0	2.42419E 03	2.80121E-03	4.03682E 01
65	2.97120E 03	5.31429E-01	2.86980E 00	2.77689E 03	0.0	1.43773E 02	2.80121E-03	4.96101E-01
66	4.30020E 02	8.25728E-02	2.86980E 00	4.24508E 02	0.0	5.42960E 00	2.80121E-03	4.75810E-01
67	2.36557E 02	4.63656E-02	2.86980E 00	2.35807E 02	0.0	7.03620E-01	2.80121E-03	3.28025E-02
68	1.79504E 02	3.45840E-02	2.86980E 00	1.78222E 02	0.0	1.24807E 00	2.80121E-03	4.94744E-02
69	1.57289E 02	3.03248E-02	2.86980E 00	1.55436E 02	0.0	1.80215E 00	2.80121E-03	6.64693E-02
70	1.49810E 02	2.89115E-02	2.86980E 00	1.47495E 02	0.0	2.28601E 00	1.45137E-02	8.09032E-02

Table A-4.4.2 SELF-SHIELDING FACTOR TABLES CODE NO = 940

GROUP	T(K)	FC1 100.	FC1 1000.	FC1 10000.	FF2 100.	FF2 1000.	FF2 10000.	FF1 100.	FF1 1000.	FF1 10000.	FC2 100.	FC2 1000.	FC2 10000.
23	300.	0.9983	1.0027	1.0037	1.0043	1.0058	1.0066	0.9925	0.9990	0.9999	0.9950	0.9993	1.0000
	900.	0.9991	1.0017	1.0022	1.0014	1.0032	1.0037	0.9951	0.9991	0.9997	0.9954	0.9989	0.9993
	2100.	0.9985	1.0007	1.0011	0.9989	1.0013	1.0016	0.9965	0.9993	0.9990	0.9962	0.9990	0.9992
24	300.	0.9870	0.9966	0.9978	0.9869	0.9949	0.9957	0.9908	0.9986	0.9997	0.9931	0.9985	0.9993
	900.	0.9946	0.9993	0.9999	0.9952	0.9990	0.9995	0.9943	0.9990	0.9996	0.9966	0.9986	0.9991
	2100.	0.9981	1.0004	1.0008	0.9993	1.0010	1.0013	0.9935	0.9989	0.9993	0.9951	0.9983	0.9986
25	300.	0.9949	1.0000	1.0009	0.9991	1.0011	1.0018	0.9901	0.9984	0.9996	0.9935	0.9984	0.9994
	900.	0.9981	1.0002	1.0006	1.0009	1.0010	1.0013	0.9944	0.9990	0.9997	0.9958	0.9988	0.9993
	2100.	0.9998	1.0007	1.0010	1.0023	1.0015	1.0017	0.9973	1.0000	1.0004	0.9982	1.0000	1.0003
26	300.	0.9901	0.9998	1.0015	0.9974	1.0014	1.0027	0.9887	0.9990	1.0006	0.9933	0.9997	1.0009
	900.	0.9921	0.9980	0.9988	0.9943	0.9973	0.9979	0.9927	0.9986	0.9994	0.9946	0.9983	0.9990
	2100.	0.9935	0.9978	0.9982	0.9934	0.9961	0.9964	0.9947	0.9988	0.9993	0.9954	0.9981	0.9985
27	300.	0.9944	1.0019	1.0040	1.0140	1.0078	1.0093	0.9863	0.9995	1.0016	0.9928	1.0008	1.0024
	900.	0.9993	1.0007	1.0015	1.0132	1.0044	1.0050	0.9910	0.9999	1.0000	0.9932	0.9987	0.9995
	2100.	1.0020	1.0004	1.0008	1.0135	1.0033	1.0034	0.9938	0.9992	0.9999	0.9946	0.9986	0.9991
28	300.	0.9923	1.0040	1.0069	1.0112	1.0106	1.0128	0.9807	1.0002	1.0036	0.9912	1.0027	1.0053
	900.	0.9965	1.0010	1.0023	1.0089	1.0048	1.0058	0.9890	0.9995	1.0013	0.9946	1.0008	1.0022
	2100.	0.9988	0.9994	1.0005	1.0092	1.0028	1.0032	0.9925	0.9989	0.9999	0.9958	0.9995	1.0003
29	300.	0.9447	0.9811	0.9857	0.9437	0.9743	0.9778	0.9674	0.9964	1.0010	0.9768	0.9973	1.0009
	900.	0.9648	0.9880	0.9906	0.9597	0.9817	0.9837	0.9303	0.9974	0.9998	0.9835	0.9966	0.9985
	2100.	0.9767	0.9931	0.9948	0.9705	0.9884	0.9897	0.9864	0.9980	0.9994	0.9866	0.9963	0.9974
30	300.	0.9458	0.9883	0.9949	0.9527	0.9834	0.9882	0.9606	0.9967	1.0030	0.9756	0.9990	1.0039
	900.	0.9666	0.9919	0.9953	0.9650	0.9865	0.9888	0.9814	1.0005	1.0037	0.9888	1.0021	1.0046
	2100.	0.9831	0.9968	0.9987	0.9831	0.9944	0.9957	0.9936	1.0030	1.0047	0.9994	1.0053	1.0066
31	300.	0.9592	1.0134	1.0252	1.0004	1.0310	1.0416	0.9608	1.0101	1.0202	0.9854	1.0195	1.0280
	900.	0.9776	1.0082	1.0147	1.0048	1.0197	1.0253	0.9811	1.0095	1.0153	0.9971	1.0168	1.0216
	2100.	0.9824	1.0016	1.0053	0.9983	1.0066	1.0095	0.9882	1.0061	1.0096	0.9968	1.0101	1.0128
32	300.	0.8926	0.9605	0.9725	0.9212	0.9537	0.9626	0.9190	0.9669	0.9998	0.9573	0.9924	1.0026
	900.	0.9390	0.9788	0.9856	0.9662	0.9762	0.9812	0.9561	0.9958	1.0030	0.9835	1.0000	1.0056
	2100.	0.9712	0.9907	0.9994	1.0012	0.9940	0.9970	0.9770	0.9999	1.0043	0.9998	1.0047	1.0080
33	300.	1.0538	1.0910	1.1071	1.1847	1.1599	1.1737	0.8009	0.9455	0.9717	0.8435	0.9446	0.9658
	900.	1.1388	1.1184	1.1267	1.2803	1.2023	1.2098	0.8658	0.9621	0.9772	0.8903	0.9586	0.9708
	2100.	1.1961	1.1376	1.1420	1.3485	1.2355	1.2399	0.8960	0.9660	0.9750	0.8979	0.9545	0.9617
34	300.	0.6970	0.9740	1.0544	0.8394	1.0253	1.0930	0.7959	0.9878	1.0356	0.8817	1.0182	1.0597
	900.	0.7975	0.9999	1.0505	0.9227	1.0402	1.0810	0.8625	0.9933	1.0211	0.9230	1.0109	1.0344
	2100.	0.8835	1.0201	1.0527	0.9912	1.0573	1.0825	0.9043	0.9929	1.0095	0.9429	1.0016	1.0153
35	300.	0.7050	0.9920	1.0756	0.8166	1.0473	1.1321	0.7064	0.9108	0.9619	0.7645	0.9184	0.9638
	900.	0.8487	1.0659	1.1217	0.9761	1.1352	1.1920	0.7896	0.9319	0.9603	0.8304	0.9312	0.9551
	2100.	0.9653	1.1127	1.1510	1.1158	1.1978	1.2374	0.8523	0.9491	0.9653	0.8803	0.9453	0.9585
36	300.	0.8019	0.9164	0.9644	0.7730	0.9065	0.9241	0.6887	0.9265	0.9989	0.7593	0.9393	0.9968
	900.	0.8053	0.9204	0.9328	0.7442	0.8653	0.8745	0.7808	0.9626	1.0074	0.8382	0.9695	1.0056
	2100.	0.7722	0.8838	0.8911	0.6872	0.8077	0.8128	0.8514	0.9858	1.0153	0.8963	0.9915	1.0149
37	300.	0.6873	0.9398	1.0108	0.7695	0.9546	1.0117	0.6790	0.9383	1.0113	0.7635	0.9536	1.0122
	900.	0.7827	0.9694	1.0129	0.8545	0.9827	1.0174	0.7794	0.9713	1.0161	0.8536	0.9852	1.0209
	2100.	0.8440	0.9770	1.0050	0.9044	0.9834	1.0101	0.8468	0.9834	1.0123	0.9095	0.9973	1.0200
38	300.	0.4762	0.7920	0.9274	0.4932	0.7673	0.8824	0.5144	0.8351	0.9474	0.5831	0.8430	0.9389
	900.	0.5544	0.8569	0.9556	0.5706	0.8279	0.9106	0.6265	0.8883	0.9587	0.6862	0.8870	0.9448
	2100.	0.6259	0.9035	0.9757	0.6403	0.8732	0.9339	0.7327	0.9368	0.9830	0.7830	0.9361	0.9741
39	300.	0.5517	0.9071	1.0345	0.7037	0.9694	1.0788	0.5711	0.8620	0.9735	0.6549	0.8772	0.9658
	900.	0.6893	0.9723	1.0539	0.8468	1.0365	1.1064	0.6756	0.9222	0.9992	0.7544	0.9316	0.9914
	2100.	0.8079	1.0154	1.0702	0.9625	1.0861	1.1330	0.7570	0.9626	1.0164	0.8280	0.9650	1.0058

Table A-4.4.2 (continued)

GROUP	T(K)	FF1 100.	FF1 1000.	FF1 10000.	FF2 100.	FF2 1000.	FF2 10000.	FC1 100.	FC1 1000.	FC1 10000.	FC2 100.	FC2 1000.	FC2 10000.
40	300.	0.6481	0.9332	1.0103	0.7384	0.9483	1.0101	0.6433	0.9322	1.0101	0.7348	0.9474	1.0099
	900.	0.7506	0.9540	0.9986	0.8284	0.9665	1.0020	0.7482	0.9546	0.9998	0.8274	0.9672	1.0052
	2100.	0.8131	0.9482	0.9742	0.8773	0.9607	0.9817	0.8135	0.9509	0.9773	0.8791	0.9636	0.9849
41	300.	0.4686	0.8229	0.9943	0.5582	0.8507	0.9982	0.4586	0.8187	0.9932	0.5491	0.8467	0.9968
	900.	0.5705	0.8920	1.0134	0.6622	0.9149	1.0183	0.5612	0.8889	1.0125	0.6542	0.9118	1.0171
	2100.	0.6579	0.9381	1.0251	0.7500	0.9586	1.0325	0.6501	0.9362	1.0248	0.7437	0.9565	1.0318
42	300.	0.4624	0.7995	1.0289	0.5676	0.8552	1.0631	0.4466	0.7855	1.0237	0.5489	0.8400	1.0558
	900.	0.5433	0.8573	1.0368	0.6315	0.8914	1.0480	0.5256	0.8457	1.0337	0.6121	0.8792	1.0432
	2100.	0.5862	0.8741	1.0111	0.6495	0.8839	1.0006	0.5691	0.8666	1.0110	0.6324	0.8763	0.9995
43	300.	0.4229	0.8212	0.9882	0.5266	0.8481	0.9850	0.4136	0.8183	0.9893	0.5195	0.8472	0.9879
	900.	0.5371	0.8938	1.0043	0.6386	0.9108	1.0006	0.5298	0.8929	1.0062	0.6339	0.9120	1.0045
	2100.	0.6124	0.9105	0.9845	0.6971	0.9155	0.9755	0.6086	0.9124	0.9885	0.6963	0.9202	0.9822
44	300.	0.3767	0.8252	1.0934	0.4892	0.9200	1.1889	0.3771	0.8285	1.0984	0.4912	0.9257	1.1973
	900.	0.5068	0.9599	1.1531	0.6570	1.0599	1.2511	0.5091	0.9652	1.1597	0.6613	1.0680	1.2611
	2100.	0.6602	1.0937	1.2382	0.8419	1.1972	1.3386	0.6657	1.1022	1.2478	0.8495	1.2086	1.3514
45	300.	0.3184	0.7202	0.9705	0.4059	0.7637	0.9834	0.3159	0.7177	0.9695	0.4038	0.7613	0.9824
	900.	0.4220	0.8166	0.9931	0.5217	0.8539	1.0059	0.4187	0.8142	0.9920	0.5196	0.8516	1.0048
	2100.	0.5240	0.8818	1.0063	0.6245	0.9139	1.0210	0.5202	0.8795	1.0052	0.6229	0.9118	1.0200
46	300.	0.2020	0.5258	0.8768	0.2782	0.5769	0.8688	0.1908	0.5067	0.8608	0.2605	0.5525	0.8455
	900.	0.2624	0.6280	0.9175	0.3572	0.6697	0.8995	0.2461	0.6055	0.8999	0.3339	0.6415	0.8739
	2100.	0.3338	0.7176	0.9471	0.4392	0.7456	0.9233	0.3116	0.6917	0.9265	0.4101	0.7130	0.8936
47	300.	0.3018	0.6950	0.9609	0.3646	0.7373	0.9842	0.2873	0.6812	0.9576	0.3473	0.7237	0.9809
	900.	0.3850	0.7927	0.9878	0.4542	0.8314	1.0136	0.3670	0.7813	0.9855	0.4337	0.8203	1.0112
	2100.	0.4554	0.8567	0.9985	0.5244	0.8876	1.0236	0.4364	0.8478	0.9968	0.5031	0.8788	1.0218
48	300.	0.1309	0.3537	0.6831	0.1649	0.3869	0.6648	0.1306	0.3528	0.6815	0.1644	0.3857	0.6625
	900.	0.1564	0.4067	0.6435	0.1937	0.4288	0.6250	0.1559	0.4052	0.6411	0.1930	0.4270	0.6221
	2100.	0.1901	0.4548	0.6140	0.2242	0.4608	0.5977	0.1894	0.4528	0.6111	0.2232	0.4583	0.5943
49	300.	0.9962	0.9979	0.9984	0.9937	0.9975	0.9980	0.9970	0.9970	0.9974	1.0019	0.9959	0.9960
	900.	0.9980	0.9984	0.9988	0.9937	0.9979	0.9983	0.9991	0.9969	0.9974	1.0038	0.9960	0.9960
	2100.	1.0053	1.0085	1.0088	1.0035	1.0076	1.0081	1.0108	1.0050	1.0057	1.0147	1.0050	1.0047
50	300.	0.1387	0.4194	0.9036	0.1858	0.4774	0.9337	0.1277	0.3991	0.8737	0.1703	0.4490	0.8836
	900.	0.1706	0.5283	0.9747	0.2274	0.5816	0.9839	0.1567	0.5008	0.9410	0.2080	0.5445	0.9286
	2100.	0.2154	0.6347	1.0256	0.2755	0.6763	1.0175	0.1967	0.5972	0.9860	0.2505	0.6291	0.9558
51	300.	0.9954	1.0496	1.0470	0.8794	1.0535	1.0579	0.9954	1.0549	1.0519	0.8680	1.0591	1.0638
	900.	0.9719	1.0729	1.0648	0.8699	1.0704	1.0768	0.9699	1.0807	1.0717	0.8577	1.0779	1.0849
	2100.	0.9539	1.1562	1.1214	0.8667	1.1710	1.1257	0.9491	1.1710	1.1325	0.8531	1.1221	1.1371
52	300.	0.8965	0.9191	0.9186	0.8257	0.8684	0.8626	0.9067	0.9269	0.9264	0.8428	0.8811	0.8758
	900.	0.9096	0.9154	0.9175	0.8285	0.8685	0.8600	0.9187	0.9235	0.9254	0.8454	0.8812	0.8734
	2100.	0.9239	0.8777	0.9054	0.8315	0.8688	0.8529	0.9327	0.8903	0.9155	0.8493	0.8825	0.8681
53	300.	0.2411	0.6553	0.9582	0.1705	0.6066	0.8194	0.2417	0.6556	0.9582	0.1712	0.6069	0.8195
	900.	0.2790	0.6784	0.8646	0.1764	0.5913	0.7382	0.2796	0.6787	0.8648	0.1771	0.5916	0.7384
	2100.	0.2865	0.5672	0.6372	0.1482	0.4685	0.5855	0.2871	0.5676	0.6375	0.1489	0.4689	0.5858
54	300.	0.9987	0.9996	0.9997	0.9951	0.9979	0.9985	0.9984	0.9997	0.9998	0.9934	0.9973	0.9981
	900.	0.9986	0.9997	0.9998	0.9951	0.9981	0.9990	0.9984	0.9998	1.0000	0.9936	0.9976	0.9989
	2100.	1.0011	1.0025	1.0026	0.9974	1.0007	1.0038	1.0068	1.0085	1.0086	1.0021	1.0063	1.0101
55	300.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9982	0.9987	0.9986	0.9982	0.9996	0.9988
	900.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9986	0.9990	0.9989	0.9982	0.9997	0.9984
	2100.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0069	1.0071	1.0070	1.0063	1.0077	1.0033
56	300.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9896	0.9946	0.9945	0.9810	0.9912	0.9904
	900.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9899	0.9948	0.9947	0.9810	0.9913	0.9899
	2100.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9958	1.0006	1.0006	0.9863	0.9968	0.9916
57	300.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8415	0.8309	0.8671	0.8274	0.8422	0.8410
	900.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8354	0.8570	0.8567	0.8274	0.8357	0.8337
	2100.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8276	0.8430	0.8427	0.8235	0.8274	0.8203
58	300.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0383	1.0101	1.0094	1.0574	1.0412	1.0402
	900.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0427	1.0149	1.0142	1.0586	1.0451	1.0435
	2100.	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0522	1.0275	1.0265	1.0630	1.0541	1.0458
59	300.	1.0040	1.0020	1.0021	1.0040	1.0060	1.0061	1.0118	1.0057	1.0056	1.0121	1.0170	1.0173
	900.	1.0045	1.0031	1.0031	1.0042	1.0065	1.0065	1.0132	1.0086	1.0087	1.0126	1.0183	1.0184
	2100.	1.0175	1.0172	1.0173	1.0167	1.0197	1.0191	1.0167	1.0153	1.0155	1.0147	1.0216	1.0202
60	300.	0.9939	1.0005	1.0015	0.9928	1.0033	1.0042	0.9918	1.0006	1.0020	0.9904	1.0044	1.0056
	900.	0.9947	1.0021	1.0031	0.9928	1.0040	1.0049	0.9928	1.0028	1.0042	0.9910	1.0054	1.0066
	2100.	1.0094	1.0184	1.0195	1.0076	1.0187	1.0192	0.9953	1.0074	1.0089	0.9929	1.0079	1.0085
61	300.	0.9649	0.9917	0.9985	0.9688	0.9946	0.9984	0.9595	0.9932	0.9983	0.9639	0.9938	0.9981
	900.	0.9662	0.9962	1.0006	0.9698	0.9959	0.9996	0.9610	0.9957	1.0008	0.9651	0.9953	0.9996
	2100.	0.9754	1.0071	1.0116	0.9787	1.0055	1.0089	0.9640	1.0005	1.0057	0.9677	0.9986	1.0025
62	300.	0.8780	0.9722	0.9929	0.8998	0.9725	0.9901	0.8712	0.9707	0.9925	0.8942	0.9710	0.9895
	900.	0.8805	0.9762	0.9970	0.9022	0.9757	0.9934	0.8739	0.9749	0.9969	0.8967	0.9743	0.9930
	2100.	0.8878	0.9867	1.0079	0.9092	0.9847	1.0025	0.8789	0.9832	1.0056	0.9015	0.9812	1.0000
63	300.	0.6581	0.8269	0.9661	0.6924	0.8384	0.9617	0.6540	0.8248	0.9656	0.6887	0.8364	0.9612
	900.	0.6639	0.8380	0.9827	0.6986	0.8487	0.9773	0.6599	0.8360	0.9825	0.6950	0.8469	0.9771
	2100.	0.6763	0.8619	1.0202	0.7118	0.8715	1.0127	0.6719	0.8596	1.0200	0.7078	0.8694	1.0124
64	300.	0.0995	0.0747	0.2038	0.1007	0.0821	0.2147	0.0993	0.0746	0.2037	0.1006	0.0820	0.2146
	900.	0.1072	0.0795	0.2185	0.1085	0.0872	0.2302	0.1071	0.0794	0.2184	0.1084	0.0871	0.2301
	2100.	0.1264	0.0914	0.2430	0.1279	0.0997	0.2550	0.1262	0.0912	0.2429	0.1278	0.0995	0.2549
65	300.	0.5269	0.5598	0.9088	0.5292	0.5626	0.8283	0.5260	0.5589	0.9086	0.5284	0.5618	0.8280
	900.	0.5507	0.5885	1.0081	0.5533	0.5926	0.9177	0.5498	0.5877	1.0081	0.5525	0.5918	0.9175
	2100.	0.6071	0.6602	1.2299	0.6104	0.6664	1.1320	0.6063	0.6595	1.2302	0.6096	0.6657	1.1321
66	300.	0.9632	0.9638	0.9792	0.9648	0.9666	0.9800	0.9626	0.9632	0.9788	0.9643	0.9660	0.9797
	900.	0.9710	0.9716	0.9848	0.9727	0.9744	0.9868	0.9705	0.9711	0.9845	0.9722	0.9740	0.9866
	2100.	0.9880	0.9884	1.0001	0.9898	0.9913	1.0034	0.9871	0.9875	0.9994	0.9890	0.9905	1.0027
67	300.	0.9927	0.9936	0.9961	0.9940	0.9951	0.9978	0.9928	0.9937	0.9962	0.9941	0.9952	0.9978
	900.	0.9954	0.9963	0.9985	0.9967	0.9978	1.0003	0.9956	0.9965	0.9986	0.9969	0.9980	1.0005
	2100.	1.0017	1.0026	1.0045	1.0031	1.0042	1.0066	1.0012	1.0022	1.0040	1.0025	1.0037	1.0061
68	300.	1.0008	0.9996	0.9994	1.0011	1.0003	1.0005	1.0009	0.9996	0.9994	1.0012	1.0003	1.0005
	900.	1.0008	0.9993	0.9993	1.0011	1.0003	1.0005	1.0009	0.9996	0.9993	1.0011	1.0003	1.0005
	2100.	1.0008	0.9995	0.9991	1.0011	1.0002	1.0004	1.0008	0.9995	0.9991	1.0011	1.0002	1.0004
69	300.	1.0010	1.0005	1.0002	1.0011	1.0007	1.0007	1.0011	1.0005	1.0001	1.0012	1.0008	1.0007
	900.	1.0010	1.0005	1.0001	1.0011	1.0007	1.0006	1.0011	1.0005	1.0001	1.0012	1.0008	1.0007
	2100.	1.0010	1.0004	1.0001	1.0011	1.0005	1.0006	1.0011	1.0005	1.0001	1.0012	1.0008	1.0006
70	300.	1.0003	1.0002	1.0001	1.0003	1.0003	1.0002	1.0004	1.0002	1.0001	1.0004	1.0003	1.0003
	900.	1.0003	1.0002	1.0001	1.0003	1.0003	1.0002	1.0004	1.0002	1.0001	1.0004	1.0003	1.0003
	2100.	1.0003	1.0002	1.0001	1.0003	1.0002	1.0002	1.0004	1.0002	1.0001	1.0004	1.0003	1.0003

Table A-4.4.2 (continued)

GROUP	T(K)	FE1 100.	FE1 1000.	FE1 10000.	FE2 100.	FE2 1000.	FE2 10000.	FT1 100.	FT1 1000.	FT1 10000.	FT2 100.	FT2 1000.	FT2 10000.
23	300.	0.9927	0.9996	1.0007	0.9970	1.0007	1.0016	1.0017	1.0055	1.0077	1.0344	1.0188	1.0207
	900.	0.9957	0.9998	1.0004	0.9980	1.0003	1.0008	1.0030	1.0038	1.0048	1.0241	1.0128	1.0136
	2100.	0.9972	0.9999	1.0005	0.9985	1.0002	1.0005	1.0032	1.0029	1.0038	1.0189	1.0097	1.0104
24	300.	0.9868	0.9974	0.9990	0.9907	0.9973	0.9986	0.9887	1.0003	1.0032	1.0198	1.0107	1.0130
	900.	0.9915	0.9982	0.9991	0.9934	0.9978	0.9985	0.9940	1.0001	1.0027	1.0137	1.0069	1.0079
	2100.	0.9940	0.9987	0.9993	0.9950	0.9982	0.9987	0.9965	1.0000	1.0014	1.0110	1.0052	1.0064
25	300.	0.9882	0.9981	0.9997	0.9936	0.9987	0.9999	0.9903	1.0015	1.0041	1.0208	1.0120	1.0149
	900.	0.9932	0.9988	0.9997	0.9966	0.9991	0.9998	0.9965	1.0013	1.0032	1.0173	1.0090	1.0104
	2100.	0.9959	0.9993	0.9999	0.9985	0.9997	1.0001	0.9998	1.0016	1.0029	1.0159	1.0078	1.0090
26	300.	0.9847	0.9972	0.9992	0.9905	0.9976	0.9992	0.9852	1.0010	1.0048	1.0128	1.0110	1.0149
	900.	0.9908	0.9981	0.9993	0.9945	0.9982	0.9991	0.9934	1.0008	1.0026	1.0137	1.0086	1.0104
	2100.	0.9949	0.9995	1.0002	0.9978	0.9996	1.0002	0.9981	1.0017	1.0028	1.0145	1.0082	1.0096
27	300.	0.9798	0.9965	0.9992	0.9865	0.9969	0.9990	0.9780	1.0006	1.0064	1.0119	1.0124	1.0171
	900.	0.9878	0.9979	0.9995	0.9917	0.9980	0.9992	0.9896	1.0014	1.0043	1.0122	1.0104	1.0130
	2100.	0.9922	0.9990	1.0000	0.9948	0.9990	0.9998	0.9957	1.0021	1.0042	1.0140	1.0099	1.0111
28	300.	0.9740	0.9975	1.0016	0.9846	0.9991	1.0025	0.9676	1.0033	1.0116	1.0046	1.0145	1.0215
	900.	0.9838	0.9981	1.0005	0.9909	0.9991	1.0009	0.9846	1.0037	1.0081	1.0125	1.0141	1.0177
	2100.	0.9885	0.9979	0.9995	0.9937	0.9986	0.9998	0.9924	1.0029	1.0060	1.0156	1.0124	1.0151
29	300.	0.9721	0.9956	0.9996	0.9815	0.9962	0.9993	0.9638	0.9999	1.0084	1.0033	1.0114	1.0183
	900.	0.9828	0.9973	0.9996	0.9889	0.9975	0.9993	0.9826	1.0025	1.0071	1.0127	1.0128	1.0167
	2100.	0.9889	0.9984	0.9998	0.9926	0.9981	0.9992	0.9924	1.0029	1.0059	1.0161	1.0118	1.0138
30	300.	0.9523	0.9922	0.9996	0.9651	0.9925	0.9982	0.9315	0.9929	1.0071	0.9802	1.0024	1.0134
	900.	0.9710	0.9967	1.0010	0.9796	0.9971	1.0005	0.9631	1.0018	1.0102	0.9979	1.0103	1.0166
	2100.	0.9843	1.0006	1.0034	0.9914	1.0021	1.0042	0.9875	1.0100	1.0156	1.0159	1.0206	1.0242
31	300.	0.9443	1.0004	1.0131	0.9703	1.0107	1.0222	0.9236	1.0169	1.0447	1.0020	1.0574	1.0863
	900.	0.9616	1.0004	1.0081	0.9782	1.0060	1.0125	0.9534	1.0150	1.0309	1.0085	1.0416	1.0572
	2100.	0.9685	0.9964	1.0011	0.9750	0.9964	1.0001	0.9634	1.0030	1.0124	0.9936	1.0147	1.0219
32	300.	0.9301	0.9819	0.9918	0.9460	0.9802	0.9879	0.8924	0.9740	0.9936	0.9430	0.9818	0.9971
	900.	0.9510	0.9861	0.9919	0.9606	0.9828	0.9871	0.9282	0.9824	0.9937	0.9631	0.9873	0.9958
	2100.	0.9638	0.9875	0.9910	0.9712	0.9846	0.9872	0.9559	0.9885	0.9955	0.9878	0.9969	1.0027
33	300.	0.9410	0.9917	1.0025	0.9608	0.9955	1.0041	0.9018	0.9915	1.0152	0.9529	1.0063	1.0253
	900.	0.9610	0.9957	1.0022	0.9750	0.9981	1.0033	0.9400	1.0022	1.0169	0.9812	1.0162	1.0277
	2100.	0.9720	0.9971	1.0012	0.9784	0.9963	0.9994	0.9588	1.0015	1.0102	0.9857	1.0097	1.0163
34	300.	0.8602	0.9849	1.0202	0.9122	1.0039	1.0346	0.7866	0.9872	1.0626	0.9177	1.0471	1.1182
	900.	0.8998	0.9926	1.0145	0.9434	1.0059	1.0245	0.8465	1.0032	1.0506	0.9733	1.0525	1.0964
	2100.	0.9306	0.9966	1.0104	0.9657	1.0062	1.0176	0.8992	1.0116	1.0415	1.0139	1.0555	1.0827
35	300.	0.8161	0.9531	1.0002	0.8556	0.9688	1.0135	0.7191	0.9156	1.0129	0.8380	0.9847	1.0942
	900.	0.8517	0.9521	0.9776	0.8828	0.9568	0.9786	0.7816	0.9272	0.9790	0.9116	0.9852	1.0391
	2100.	0.8781	0.9482	0.9618	0.8997	0.9455	0.9563	0.8358	0.9321	0.9595	0.9691	0.9833	1.0110
36	300.	0.7671	0.9323	0.9939	0.8119	0.9414	0.9918	0.6613	0.8862	0.9991	0.7194	0.9016	0.9933
	900.	0.8176	0.9574	0.9996	0.8599	0.9639	0.9978	0.7252	0.9343	1.0152	0.7841	0.9464	1.0112
	2100.	0.8638	0.9777	1.0070	0.9018	0.9827	1.0059	0.7905	0.9737	1.0322	0.8458	0.9839	1.0298
37	300.	0.8122	0.9584	1.0022	0.8554	0.9668	1.0025	0.6913	0.9131	1.0057	0.7640	0.9370	1.0126
	900.	0.8609	0.9767	1.0043	0.8991	0.9826	1.0050	0.7601	0.9565	1.0158	0.8350	0.9759	1.0251
	2100.	0.8901	0.9784	0.9966	0.9209	0.9818	0.9963	0.8165	0.9731	1.0125	0.8854	0.9880	1.0195
38	300.	0.6672	0.8893	0.9820	0.7156	0.9009	0.9807	0.5103	0.8018	0.9804	0.5646	0.8280	0.9864
	900.	0.7321	0.9236	0.9846	0.7775	0.9279	0.9786	0.5833	0.8639	0.9856	0.6429	0.8789	0.9807
	2100.	0.7957	0.9542	0.9960	0.8362	0.9572	0.9920	0.6662	0.9227	1.0106	0.7280	0.9383	1.0122
39	300.	0.7207	0.8869	0.9751	0.7570	0.8954	0.9643	0.5931	0.7939	0.9306	0.6205	0.7901	0.8886
	900.	0.7635	0.9235	0.9878	0.8011	0.9270	0.9759	0.6405	0.8488	0.9545	0.6725	0.8374	0.9104
	2100.	0.7946	0.9393	0.9851	0.8282	0.9356	0.9692	0.6815	0.8777	0.9554	0.7169	0.8614	0.9131
40	300.	0.8627	0.9701	1.0017	0.8965	0.9751	0.9995	0.6400	0.9111	0.9904	0.7435	0.9153	0.9766
	900.	0.8936	0.9703	0.9881	0.9203	0.9725	0.9859	0.7622	0.9410	0.9886	0.8212	0.9480	0.9850
	2100.	0.8994	0.9497	0.9592	0.9174	0.9493	0.9565	0.8177	0.9454	0.9736	0.8755	0.9595	0.9825
41	300.	0.6650	0.8705	1.0004	0.7090	0.8911	1.0056	0.5073	0.7637	1.0002	0.5601	0.8024	1.0202
	900.	0.7111	0.9189	1.0160	0.7588	0.9365	1.0206	0.5596	0.8451	1.0358	0.6274	0.8872	1.0599
	2100.	0.7635	0.9604	1.0322	0.8118	0.9754	1.0373	0.6228	0.9145	1.0642	0.7045	0.9601	1.0948
42	300.	0.4629	0.7081	0.9611	0.5032	0.7328	0.9608	0.3607	0.6000	0.9594	0.4347	0.6662	1.0120
	900.	0.4918	0.7697	0.9853	0.5339	0.7852	0.9734	0.3889	0.6587	0.9910	0.4599	0.7096	1.0123
	2100.	0.5205	0.8186	0.9942	0.5627	0.8232	0.9738	0.4095	0.7087	1.0048	0.4696	0.7456	1.0094
43	300.	0.8255	0.9472	1.0006	0.8594	0.9583	1.0028	0.5875	0.8219	0.9772	0.6302	0.8382	0.9687
	900.	0.8627	0.9721	1.0078	0.8978	0.9813	1.0108	0.6359	0.8870	0.9982	0.6898	0.8968	0.9883
	2100.	0.8961	0.9878	1.0122	0.9287	0.9952	1.0154	0.6860	0.9206	0.9998	0.7466	0.9285	0.9933
44	300.	0.7503	0.9563	1.0646	0.7956	0.9763	1.0871	0.5229	0.8599	1.2167	0.6411	1.0376	1.4708
	900.	0.8022	0.9911	1.0711	0.8629	1.0328	1.1120	0.5945	1.0046	1.2838	0.7754	1.2178	1.5473
	2100.	0.8676	1.0510	1.1114	0.9411	1.0924	1.1514	0.7026	1.1538	1.3746	0.9476	1.3852	1.6359
45	300.	0.6268	0.8360	0.9777	0.6763	0.8596	0.9836	0.3469	0.6376	0.9504	0.3946	0.6834	0.9637
	900.	0.6773	0.8874	0.9896	0.7368	0.9076	0.9952	0.3993	0.7434	0.9865	0.4689	0.7887	0.9993
	2100.	0.7578	0.9532	1.0269	0.8229	0.9702	1.0331	0.4812	0.8410	1.0252	0.5679	0.8848	1.0424
46	300.	0.3494	0.5781	0.8669	0.3972	0.6087	0.8433	0.1809	0.3422	0.6741	0.1969	0.3483	0.5859
	900.	0.3845	0.6507	0.8963	0.4452	0.6721	0.8621	0.1949	0.4104	0.7197	0.2194	0.4074	0.6124
	2100.	0.4348	0.7226	0.9214	0.5041	0.7301	0.8794	0.2229	0.4886	0.7615	0.2547	0.4693	0.6401
47	300.	0.7151	0.8640	0.9747	0.7399	0.8771	0.9799	0.3564	0.6156	0.9375	0.3887	0.6508	0.9541
	900.	0.7393	0.9004	0.9837	0.7681	0.9118	0.9892	0.3883	0.7116	0.9791	0.4340	0.7471	0.9948
	2100.	0.7633	0.9254	0.9872	0.7929	0.9331	0.9917	0.4234	0.7882	1.0026	0.4784	0.8170	1.0153
48	300.	0.1766	0.3575	0.6359	0.2045	0.3777	0.5896	0.0754	0.1497	0.3611	0.0792	0.1583	0.3432
	900.	0.1928	0.3836	0.5689	0.2200	0.3897	0.5245	0.0789	0.1837	0.3764	0.0846	0.1956	0.3637
	2100.	0.2133	0.4018	0.5116	0.2339	0.3904	0.4723	0.0860	0.2245	0.3876	0.0942	0.2358	0.3813
49	300.	1.0014	0.9961	0.9980	1.0151	0.9968	0.9963	0.9925	0.9937	0.9940	1.0018	0.9888	0.9885
	900.	1.0055	0.9971	0.9973	1.0186	0.9964	0.9956	0.9965	0.9928	0.9931	1.0053	0.9885	0.9875
	2100.	0.9794	0.9630	0.9637	0.9897	0.9645	0.9632	0.9716	0.9599	0.9610	0.9776	0.9578	0.9563
50	300.	0.2188	0.4518	0.8799	0.2627	0.4996	0.8811	0.0648	0.2045	0.6624	0.0958	0.2244	0.6367
	900.	0.2461	0.5430	0.9409	0.2968	0.5832	0.9200	0.0875	0.2628	0.7452	0.1026	0.2855	0.6922
	2100.	0.2799	0.6273	0.9808	0.3312	0.6548	0.9419	0.0946	0.3324	0.7948	0.1144	0.3514	0.7208
51	300.	1.0048	0.9894	0.9897	1.0346	0.9689	0.9872	1.0078	0.9954	0.9956	1.0273	0.9981	0.9968
	900.	1.0120	0.9847	0.9862	1.0377	0.9857	0.9834	1.0135	0.9933	0.9940	1.0299	0.9977	0.9959
	2100.	1.0202	0.9675	0.9754	1.0414	0.9789	0.9744	1.0211	0.9853	0.9902	1.0339	0.9980	0.9948
52	300.	0.9935	0.9940	0.9939	0.9884	0.9903	0.9897	0.9839	0.9835	0.9833	0.9821	0.9799	0.9788
	900.	0.9945	0.9930	0.9932	0.9883	0.9898	0.9888	0.9851	0.9822	0.9824	0.9820	0.9792	0.9785
	2100.	0.9948	0.9874	0.9904	0.9874	0.9885	0.9867	0.9853	0.9748	0.9784	0.9809	0.9773	0.9749
53	300.	0.6493	0.8102	0.9260	0.6368	0.7888	0.8679	0.1337	0.2771	0.4774	0.1181	0.2201	0.3066
	900.	0.6590	0.8049	0.8721	0.6371	0.7710	0.8213	0.1397	0.2969	0.4285	0.1205	0.2305	0.2931
	2100.	0.6535	0.7522	0.7752	0.6210	0.7139	0.7483	0.1452	0.2687	0.3198	0.1189	0.2108	0.2558
54	300.	1.0006	1.0001	1.0001	1.0028	1.0011	1.0008	1.0003	0.9999	0.9999	1.0022	1.0008	1.0006
	900.	1.0008	1.0002	1.0001	1.0029	1.0011	1.0006	1.0004	1.0000	1.0000	1.0022	1.0008	1.0002
	2100.	1.0010	1.0003	1.0002	1.0030	1.0012	0.9995	1.0006	1.0001	0.9999	1.0024	1.0009	0.9989
55	300.	0.9997	0.9998	0.9998	0.9998	1.0000	0.9999	0.9997	0.9996	0.9997	1.0004	1.0000	1.0001
	900.	0.9998	0.9998	0.9998	0.9998	1.0000	0.9997	0.9996	0.9996	0.9996	1.0000	0.9999	0.9997
	2100.	0.9999	0.9999	0.9999	0.9998	1.0000	0.9992	0.9996	0.9996	0.9997	0.9998	0.9998	0.9990
56	300.	0.9987	0.9993	0.9993	0.9977	0.9989	0.9988	0.9980	0.9987	0.9987	0.9976	0.9983	0.9982
	900.	0.9988	0.9994	0.9993	0.9977	0.9989	0.9988	0.9980	0.9987	0.9986	0.9976	0.9982	0.9980
	2100.	0.9998	0.9999	0.9994	0.9976	0.9989	0.9983	0.9981	0.9987	0.9986	0.9976	0.9982	0.9975
57	300.	0.9796	0.9831	0.9830	0.9781	0.9797	0.9796	1.0188	1.0178	1.0177	1.0190	1.0202	1.0198
	900.	0.9788	0.9817	0.9817	0.9776	0.9790	0.9786	1.0153	1.0149	1.0152	1.0165	1.0165	1.0161
	2100.	0.9770	0.9792	0.9791	0.9763	0.9770	0.9761	1.0134	1.0163	1.0161	1.0131	1.0141	1.0113
58	300.	1.0054	1.0013	1.0013	1.0081	1.0058	1.0057	1.0118	1.0041	1.0040	1.0188	1.0128	1.0127
	900.	1.0060	1.0021	1.0020	1.0082	1.0063	1.0061	1.0128	1.0051	1.0050	1.0191	1.0137	1.0132
	2100.	1.0070	1.0036	1.0035	1.0086	1.0073	1.0062	1.0146	1.0075	1.0074	1.0201	1.0154	1.0138
59	300.	1.0020	1.0010	1.0010	1.0021	1.0029	1.0029	1.0033	1.0018	1.0018	1.0037	1.0064	1.0056
	900.	1.0022	1.0014	1.0014	1.0021	1.0030	1.0031	1.0037	1.0026	1.0027	1.0037	1.0057	1.0056
	2100.	1.0025	1.0023	1.0023	1.0022	1.0035	1.0031	1.0042	1.0042	1.0043	1.0039	1.0062	1.0058

Table A-4.4.2 (continued)

GROUP	T(K)	FE1 100.	FE1 1000.	FE1 10000.	FE2 100.	FE2 1000.	FE2 10000.	FT1 100.	FT1 1000.	FT1 10000.	FT2 100.	FT2 1000.	FT2 10000.
60	300.	0.9983	1.0001	1.0004	0.9980	1.0004	1.0012	0.9948	1.0000	1.0009	0.9947	1.0017	1.0024
	900.	0.9984	1.0005	1.0008	0.9980	1.0010	1.0015	0.9950	1.0007	1.0015	0.9947	1.0018	1.0026
	2100.	0.9985	1.0011	1.0014	0.9980	1.0012	1.0013	0.9953	1.0020	1.0029	0.9947	1.0022	1.0026
61	300.	0.9886	0.9981	0.9995	0.9898	0.9983	0.9995	0.9694	0.9948	0.9988	0.9741	0.9953	0.9986
	900.	0.9886	0.9984	0.9999	0.9898	0.9983	0.9995	0.9695	0.9956	0.9995	0.9740	0.9954	0.9987
	2100.	0.9886	0.9990	0.9990	0.9897	0.9985	0.9996	0.9694	0.9968	1.0008	0.9737	0.9957	0.9988
62	300.	0.9484	0.9884	0.9970	0.9577	0.9885	0.9958	0.8747	0.9712	0.9933	0.8989	0.9724	0.9910
	900.	0.9482	0.9887	0.9974	0.9574	0.9885	0.9959	0.8742	0.9718	0.9941	0.8983	0.9724	0.9911
	2100.	0.9474	0.9893	0.9981	0.9565	0.9884	0.9959	0.8724	0.9728	0.9955	0.8964	0.9722	0.9910
63	300.	0.7887	0.8949	0.9795	0.8105	0.9019	0.9768	0.6018	0.7912	0.9594	0.6378	0.8081	0.9569
	900.	0.7848	0.8928	0.9796	0.8066	0.8993	0.9763	0.5958	0.7868	0.9592	0.6315	0.8032	0.9559
	2100.	0.7748	0.8870	0.9793	0.7966	0.8926	0.9749	0.5813	0.7757	0.9579	0.6162	0.7911	0.9531
64	300.	0.1332	0.1097	0.2427	0.1345	0.1173	0.2533	0.0500	0.0524	0.1125	0.0508	0.0547	0.1219
	900.	0.1446	0.1174	0.2636	0.1460	0.1255	0.2754	0.0526	0.0554	0.1222	0.0535	0.0577	0.1331
	2100.	0.1734	0.1370	0.3049	0.1751	0.1461	0.3177	0.0606	0.0638	0.1494	0.0616	0.0664	0.1631
65	300.	0.4213	0.4608	0.8924	0.4241	0.4640	0.7918	0.3642	0.4119	0.7449	0.3697	0.4207	0.7050
	900.	0.3359	0.3706	0.7694	0.3382	0.3741	0.6824	0.2928	0.3308	0.6094	0.2971	0.3382	0.5833
	2100.	0.2502	0.2822	0.6381	0.2522	0.2859	0.5760	0.2073	0.2352	0.4610	0.2103	0.2408	0.4510
66	300.	0.9247	0.9261	0.9575	0.9281	0.9317	0.9591	0.9241	0.9486	0.9766	0.9309	0.9536	0.9781
	900.	0.9227	0.9240	0.9507	0.9261	0.9297	0.9547	0.9221	0.9470	0.9731	0.9291	0.9521	0.9757
	2100.	0.9190	0.9198	0.9427	0.9224	0.9256	0.9490	0.9179	0.9435	0.9685	0.9250	0.9488	0.9724
67	300.	0.9870	0.9832	0.9881	0.9899	0.9875	0.9934	0.9836	0.9907	0.9959	0.9865	0.9927	0.9976
	900.	0.9664	0.9827	0.9863	0.9893	0.9870	0.9923	0.9832	0.9905	0.9953	0.9862	0.9925	0.9973
	2100.	0.9848	0.9812	0.9839	0.9879	0.9858	0.9907	0.9823	0.9900	0.9946	0.9854	0.9921	0.9968
68	300.	0.9979	1.0008	1.0013	0.9972	0.9992	0.9987	0.9993	0.9993	0.9994	1.0000	1.0001	1.0006
	900.	0.9979	1.0009	1.0016	0.9973	0.9993	0.9989	0.9993	0.9993	0.9993	1.0000	1.0000	1.0005
	2100.	0.9980	1.0010	1.0020	0.9973	0.9994	0.9991	0.9993	0.9992	0.9991	1.0000	1.0000	1.0004
69	300.	0.9962	0.9983	0.9994	0.9959	0.9973	0.9976	1.0008	1.0004	1.0002	1.0010	1.0007	1.0007
	900.	0.9962	0.9983	0.9995	0.9959	0.9973	0.9976	1.0008	1.0004	1.0001	1.0010	1.0007	1.0007
	2100.	0.9962	0.9983	0.9997	0.9959	0.9973	0.9977	1.0008	1.0004	1.0001	1.0010	1.0007	1.0007
70	300.	0.9964	0.9977	0.9989	0.9962	0.9971	0.9975	1.0003	1.0002	1.0001	1.0004	1.0003	1.0002
	900.	0.9964	0.9977	0.9990	0.9962	0.9971	0.9976	1.0003	1.0002	1.0001	1.0004	1.0003	1.0002
	2100.	0.9964	0.9977	0.9990	0.9962	0.9971	0.9976	1.0003	1.0002	1.0001	1.0004	1.0003	1.0002

GROUP	T(K)	FR1 100.	FR1 1000.	FR1 10000.	FR2 100.	FR2 1000.	FR2 10000.
23	300.	0.9685	0.9950	0.9975	0.9418	0.9879	0.9901
	900.	0.9722	0.9953	0.9973	0.9436	0.9879	0.9895
	2100.	0.9732	0.9951	0.9968	0.9442	0.9872	0.9887
24	300.	0.9042	0.9582	0.9610	0.8501	0.9254	0.9278
	900.	0.8969	0.9520	0.9540	0.8312	0.9118	0.9134
	2100.	0.8902	0.9474	0.9490	0.8152	0.9014	0.9025
25	300.	0.9231	0.9719	0.9747	0.8659	0.9450	0.9473
	900.	0.9288	0.9742	0.9763	0.8672	0.9464	0.9483
	2100.	0.9301	0.9749	0.9767	0.8641	0.9456	0.9472
26	300.	0.9014	0.9621	0.9661	0.8464	0.9299	0.9332
	900.	0.9045	0.9622	0.9652	0.8434	0.9270	0.9294
	2100.	0.9046	0.9619	0.9645	0.8383	0.9241	0.9262
27	300.	0.8863	0.9757	0.9877	0.8631	0.9622	0.9723
	900.	0.8998	0.9781	0.9873	0.8676	0.9625	0.9702
	2100.	0.8994	0.9744	0.9818	0.8541	0.9523	0.9585
28	300.	0.8629	0.9578	0.9626	0.7950	0.9092	0.9127
	900.	0.8818	0.9523	0.9549	0.7805	0.8968	0.8984
	2100.	0.8907	0.9558	0.9576	0.7874	0.9020	0.9031
29	300.	0.9754	1.0001	1.0007	0.9171	0.9839	0.9845
	900.	0.9843	1.0036	1.0041	0.9287	0.9925	0.9931
	2100.	0.9949	1.0079	1.0085	0.9504	1.0043	1.0051
30	300.	0.9094	0.9828	0.9899	0.8384	0.9522	0.9583
	900.	0.9321	0.9910	0.9952	0.8543	0.9622	0.9660
	2100.	0.9495	0.9975	1.0000	0.8691	0.9712	0.9737
31	300.	0.9193	0.9770	0.9847	0.9131	0.9722	0.9779
	900.	0.9215	0.9724	0.9774	0.8938	0.9608	0.9648
	2100.	0.9167	0.9661	0.9698	0.8752	0.9478	0.9510
32	300.	0.9477	0.9789	0.9801	0.8907	0.9577	0.9591
	900.	0.9470	0.9762	0.9761	0.8819	0.9513	0.9517
	2100.	0.9406	0.9705	0.9697	0.8692	0.9405	0.9402
33	300.	0.9297	0.9665	0.9663	0.8544	0.9298	0.9296
	900.	0.9341	0.9671	0.9666	0.8610	0.9319	0.9315
	2100.	0.9370	0.9670	0.9664	0.8668	0.9336	0.9331
34	300.	0.9408	0.9791	0.9812	0.9097	0.9585	0.9608
	900.	0.9018	0.9539	0.9549	0.8452	0.9122	0.9133
	2100.	0.8867	0.9469	0.9476	0.8205	0.8935	0.8942
35	300.	0.6471	0.7705	0.7796	0.5624	0.6817	0.6862
	900.	0.6095	0.7294	0.7342	0.5100	0.6286	0.6308
	2100.	0.6063	0.7302	0.7338	0.4986	0.6203	0.6218
36	300.	0.4713	0.8134	0.9461	0.5203	0.8116	0.9169
	900.	0.5365	0.8496	0.9391	0.5759	0.8288	0.8968
	2100.	0.6009	0.8726	0.9337	0.6257	0.8377	0.8821
37	300.	0.5326	0.8329	0.9142	0.5321	0.7876	0.8445
	900.	0.5891	0.8592	0.9143	0.5745	0.8023	0.8402
	2100.	0.6275	0.8721	0.9129	0.6015	0.8072	0.8351
38	300.	0.8935	0.9556	0.9596	0.8346	0.9161	0.9194
	900.	0.8831	0.9510	0.9550	0.8256	0.9065	0.9096
	2100.	0.8728	0.9465	0.9504	0.8185	0.8967	0.8997
39	300.	0.8456	0.9354	0.9413	0.7717	0.8836	0.8888
	900.	0.7718	0.9126	0.9295	0.7259	0.8583	0.8708
	2100.	0.7152	0.8882	0.9111	0.6854	0.8257	0.8417
40	300.	0.8979	0.9709	0.9777	0.8674	0.9457	0.9519
	900.	0.8875	0.9682	0.9753	0.8687	0.9396	0.9461
	2100.	0.8772	0.9642	0.9715	0.8744	0.9311	0.9376
41	300.	0.5350	0.8368	0.9482	0.5834	0.8340	0.9262
	900.	0.5885	0.8718	0.9476	0.6467	0.8563	0.9190
	2100.	0.6307	0.8898	0.9440	0.6985	0.8626	0.9077
42	300.	0.9230	0.9621	0.9631	0.8961	0.9340	0.9306
	900.	0.9235	0.9598	0.9596	0.8958	0.9307	0.9256
	2100.	0.9290	0.9574	0.9555	0.9412	0.9260	0.9190
43	300.	0.8969	0.9440	0.9474	0.8703	0.9059	0.9059
	900.	0.8933	0.9383	0.9419	0.9032	0.8990	0.9008
	2100.	0.8930	0.9317	0.9349	0.9431	0.8925	0.8935
44	300.	0.8879	0.9606	0.9706	0.8711	0.9259	0.9367
	900.	0.8150	0.9135	0.9241	0.8034	0.8565	0.8675
	2100.	0.7304	0.8566	0.8676	0.7200	0.7794	0.7852
45	300.	0.9236	0.9640	0.9725	0.9617	0.9458	0.9532
	900.	0.9252	0.9614	0.9711	0.9988	0.9442	0.9520
	2100.	0.9335	0.9595	0.9702	1.0436	0.9456	0.9533
46	300.	1.1043	1.1729	1.1870	1.0334	1.1402	1.1537
	900.	1.1768	1.2505	1.2675	1.1286	1.2045	1.2202
	2100.	1.2583	1.3459	1.3657	1.2113	1.2696	1.2866

GROUP	T(K)	FR1' 100.	FR1' 1000.	FR1' 10000.	FR2 100.	FR2 1000.	FR2 10000.
47	300.	0.8774	0.9246	0.9319	0.9344	0.8609	0.8851
	900.	0.8776	0.9038	0.9122	0.9576	0.8575	0.8608
	2100.	0.8953	0.8751	0.8851	0.9833	0.8330	0.8341
48	300.	0.7438	0.8208	0.8457	0.8704	0.7533	0.7666
	900.	0.7629	0.7864	0.8128	0.9398	0.7265	0.7368
	2100.	0.7982	0.7279	0.7556	0.9998	0.6841	0.6879
49	300.	0.9957	0.9711	0.9726	1.1220	0.9543	0.9507
	900.	1.0339	0.9596	0.9628	1.1542	0.9484	0.9421
	2100.	1.0891	0.9317	0.9405	1.1841	0.9424	0.9303
50	300.	0.3700	0.6394	0.6636	0.2190	0.4007	0.4264
	900.	0.3539	0.5999	0.6582	0.2025	0.3682	0.3979
	2100.	0.2471	0.4198	0.4801	0.1284	0.2436	0.2656
51	300.	1.1277	0.9563	0.9547	1.3877	0.9709	0.9485
	900.	1.2074	0.9277	0.9347	1.4195	0.9568	0.9255
	2100.	1.2986	0.8120	0.8706	1.4545	0.9295	0.8774
52	300.	0.6097	0.7215	0.7206	0.4125	0.5595	0.5493
	900.	0.6130	0.6952	0.6993	0.4009	0.5420	0.5274
	2100.	0.5694	0.5668	0.6162	0.3525	0.4832	0.4587
53	300.	1.1143	1.0466	1.0415	1.7249	1.1562	1.1034
	900.	1.1481	1.0656	1.0597	1.7787	1.1735	1.0904
	2100.	1.1294	1.1031	1.0972	1.8748	1.2123	1.0129
54	300.	1.0360	1.0045	1.0017	1.1706	1.0705	1.0473
	900.	1.0441	1.0092	1.0051	1.1747	1.0717	1.0336
	2100.	1.0570	1.0147	1.0119	1.1823	1.0746	0.9641
55	300.	0.9514	0.9761	0.9747	0.8966	0.9743	0.9626
	900.	0.9483	0.9738	0.9722	0.8870	0.9665	0.9466
	2100.	0.9522	0.9754	0.9740	0.8883	0.9643	0.8986
56	300.	0.8400	0.9175	0.9167	0.7094	0.8551	0.8476
	900.	0.8415	0.9187	0.9178	0.7074	0.8541	0.8409
	2100.	0.8436	0.9210	0.9202	0.7033	0.8526	0.8044
57	300.	0.1973	0.2469	0.2440	0.3103	0.2058	0.1939
	900.	0.1813	0.2023	0.1992	0.3066	0.1864	0.1660
	2100.	0.1636	0.1490	0.1461	0.3040	0.1639	0.0856
58	300.	1.3087	1.0749	1.0702	1.4639	1.3393	1.3314
	900.	1.3424	1.1125	1.1068	1.4718	1.3693	1.3560
	2100.	1.4006	1.1980	1.1929	1.4878	1.4243	1.3553
59	300.	1.0663	1.0379	1.0419	1.0669	1.1141	1.1169
	900.	1.0753	1.0560	1.0580	1.0658	1.1203	1.1221
	2100.	1.0870	1.0909	1.0940	1.0686	1.1315	1.1227
60	300.	0.9272	0.9990	1.0101	0.9203	1.0199	1.0299
	900.	0.9298	1.0090	1.0201	0.9205	1.0223	1.0319
	2100.	0.9341	1.0268	1.0386	0.9214	1.0269	1.0327
61	300.	0.7546	0.9547	0.9476	0.7840	0.9566	0.9844
	900.	0.7557	0.9609	0.9938	0.7838	0.9578	0.9854
	2100.	0.7571	0.9716	1.0050	0.7832	0.9603	0.9861
62	300.	0.4613	0.8532	0.9632	0.5433	0.8561	0.9494
	900.	0.4610	0.8571	0.9674	0.5423	0.8564	0.9499
	2100.	0.4589	0.8633	0.9749	0.5386	0.6569	0.9505
63	300.	0.1854	0.4607	0.8809	0.2311	0.4919	0.8705
	900.	0.1816	0.4564	0.8817	0.2262	0.4854	0.8690
	2100.	0.1726	0.4446	0.8818	0.2146	0.4697	0.8649
64	300.	0.1111	0.0222	0.1218	0.1131	0.0373	0.1406
	900.	0.0813	0.0162	0.0843	0.0827	0.0268	0.1006
	2100.	0.0789	0.0159	0.0673	0.0803	0.0249	0.0819
65	300.	1.9772	1.8759	1.2724	1.9618	1.8523	1.3702
	900.	2.0331	1.9331	1.3726	2.0176	1.9085	1.4485
	2100.	2.1638	2.0582	1.5015	2.1482	2.0325	1.5495
66	300.	1.2313	1.2313	1.1340	1.2138	1.2079	1.1210
	900.	1.2315	1.2357	1.1541	1.2175	1.2121	1.1333
	2100.	1.2396	1.2454	1.1768	1.2255	1.2216	1.1485
67	300.	1.0704	1.0527	1.0527	1.0345	1.0492	1.0247
	900.	1.0474	1.0721	1.0604	1.0370	1.0509	1.0291
	2100.	1.0527	1.0758	1.0688	1.0419	1.0544	1.0346
68	300.	0.9627	1.0023	1.0116	0.9544	0.9812	0.9765
	900.	0.9628	1.0030	1.0146	0.9546	0.9818	0.9789
	2100.	0.9631	1.0044	1.0202	0.9548	0.9831	0.9817
69	300.	0.9205	0.9598	0.9845	0.9149	0.9408	0.9477
	900.	0.9252	0.9601	0.9870	0.9149	0.9410	0.9490
	2100.	0.9205	0.9606	0.9895	0.9149	0.9415	0.9506
70	300.	0.8892	0.9269	0.9636	0.8855	0.9089	0.9228
	900.	0.8892	0.9270	0.9653	0.8855	0.9090	0.9237
	2100.	0.8892	0.9273	0.9670	0.8855	0.9092	0.9248

Table A-4.5.1 INFINITE DILUTION CROSS SECTION CODE NO = 941   PU-241,1 .... PAGE 1

GROUP	TOTAL	FISSION	NU	CAPTURE	INELASTIC	ELASTIC	MU	ELAS REMOVAL
26	1.49111E 01	3.01720E 00	2.93500E 00	7.61278E-01	0.0	1.11327E 01	2.93420E-02	3.55301E-01
27	1.56109E 01	3.33775E 00	2.93439E 00	8.93589E-01	0.0	1.13796E 01	2.36380E-02	3.70985E-01
28	1.59282E 01	3.55549E 00	2.93392E 00	9.38626E-01	0.0	1.14340E 01	1.89303E-02	3.69865E-01
29	1.63219E 01	3.95426E 00	2.93356E 00	9.45245E-01	0.0	1.14224E 01	1.52072E-02	3.67543E-01
30	1.66934E 01	4.34059E 00	2.93327E 00	9.50723E-01	0.0	1.14021E 01	1.23135E-02	3.64097E-01
31	1.71490E 01	4.66426E 00	2.93305E 00	1.03621E 00	0.0	1.14465E 01	1.01042E-02	3.93396E-01
32	1.94041E 01	5.66829E 00	2.93288E 00	1.65714E 00	0.0	1.20786E 01	5.86700E-03	3.90740E-01
33	1.98584E 01	6.16351E 00	2.93276E 00	1.72759E 00	0.0	1.19673E 01	2.79022E-03	3.87065E-01
34	2.04849E 01	6.42271E 00	2.93265E 00	2.03278E 00	0.0	1.20294E 01	2.79022E-03	3.93222E-01
35	2.20126E 01	7.35669E 00	2.93257E 00	2.45001E 00	0.0	1.22059E 01	2.79022E-03	3.96826E-01
36	2.36755E 01	8.49040E 00	2.93251E 00	2.86136E 00	0.0	1.23237E 01	2.79022E-03	4.05585E-01
37	2.46374E 01	9.59330E 00	2.93246E 00	2.89945E 00	0.0	1.21446E 01	2.79022E-03	3.94954E-01
38	2.43515E 01	9.84199E 00	2.93243E 00	2.69323E 00	0.0	1.18162E 01	2.79022E-03	3.82576E-01
39	2.58957E 01	1.07232E 01	2.93240E 00	3.28324E 00	0.0	1.18893E 01	2.79022E-03	3.94291E-01
40	3.34059E 01	1.55368E 01	2.93238E 00	5.14638E 00	0.0	1.27228E 01	2.79022E-03	4.34317E-01
41	3.88603E 01	1.86447E 01	2.93236E 00	6.91668E 00	0.0	1.32989E 01	2.79022E-03	4.38261E-01
42	4.33308E 01	2.21587E 01	2.93235E 00	7.80463E 00	0.0	1.33675E 01	2.79022E-03	4.27747E-01
43	4.72949E 01	2.63715E 01	2.93234E 00	7.84609E 00	0.0	1.30773E 01	2.79022E-03	4.18372E-01
44	4.75212E 01	2.67425E 01	2.93233E 00	8.09797E 00	0.0	1.26808E 01	2.79022E-03	4.03558E-01
45	4.73282E 01	2.67100E 01	2.93232E 00	8.28421E 00	0.0	1.23340E 01	2.79022E-03	4.03275E-01
46	4.70390E 01	2.67024E 01	2.93232E 00	8.30082E 00	0.0	1.20357E 01	2.79022E-03	3.90270E-01
47	7.32841E 01	4.56280E 01	2.93231E 00	1.21915E 01	0.0	1.54646E 01	2.79022E-03	4.72083E-01
48	7.84351E 01	5.07394E 01	2.93231E 00	1.39525E 01	0.0	1.37431E 01	2.79022E-03	3.79908E-01
49	4.92977E 01	3.33564E 01	2.93231E 00	3.40112E 00	0.0	1.25382E 01	2.79022E-03	4.30959E-01
50	5.29586E 01	3.18050E 01	2.93230E 00	8.38524E 00	0.0	1.27684E 01	2.79022E-03	4.35562E-01
51	1.01596E 02	7.59135E 01	2.93230E 00	1.17219E 01	0.0	1.39602E 01	2.79022E-03	3.86227E-01
52	1.16723E 02	8.48389E 01	2.93230E 00	1.91949E 01	0.0	1.26893E 01	2.79022E-03	3.84963E-01
53	1.41261E 02	6.29687E 01	2.93230E 00	5.93066E 01	0.0	1.90034E 01	2.79022E-03	5.88463E-01
54	4.23841E 02	2.78550E 02	2.93230E 00	1.20436E 02	0.0	2.48539E 01	2.79022E-03	1.77289E 00
55	1.06398E 02	8.28745E 01	2.93230E 00	1.42570E 01	0.0	9.26369E 00	2.79022E-03	3.89283E-01
56	1.90297E 02	1.53874E 02	2.93230E 00	2.56498E 01	0.0	1.07732E 01	2.79022E-03	3.64121E-01
57	3.36371E 02	2.91809E 02	2.93230E 00	3.23148E 01	0.0	1.22464E 01	2.79022E-03	3.52262E-01
58	3.01124E 02	2.75698E 02	2.93230E 00	1.56793E 01	0.0	9.74621E 00	2.79022E-03	4.17590E-01
59	3.80113E 02	2.60384E 02	2.93230E 00	1.11174E 02	0.0	8.55499E 00	2.79022E-03	2.40710E-01
60	5.16167E 01	3.99097E 01	2.93230E 00	3.51611E 00	0.0	8.19094E 00	2.79022E-03	2.79984E-01
61	4.03966E 01	2.91476E 01	2.93230E 00	2.27169E 00	0.0	8.97930E 00	2.79022E-03	2.99333E-01
62	3.78192E 01	2.61343E 01	2.93230E 00	2.26964E 00	0.0	9.41519E 00	2.79022E-03	3.09365E-01
63	3.91195E 01	2.65573E 01	2.93230E 00	2.81545E 00	0.0	9.74678E 00	2.79022E-03	3.27425E-01
64	4.43721E 01	3.01768E 01	2.93230E 00	4.14024E 00	0.0	1.00550E 01	2.79022E-03	3.34449E-01
65	5.23787E 01	3.49975E 01	2.93230E 00	6.11877E 00	0.0	1.12624E 01	2.79022E-03	3.70382E-01
66	6.35037E 01	4.06289E 01	2.93230E 00	1.12059E 01	0.0	1.16689E 01	2.79022E-03	3.86630E-01
67	9.42761E 01	5.76499E 01	2.93230E 00	2.43859E 01	0.0	1.22403E 01	2.79022E-03	4.17896E-01
68	2.54665E 02	1.62368E 02	2.93230E 00	7.91315E 01	0.0	1.31859E 01	2.79022E-03	4.49602E-01
69	1.10602E 03	7.44197E 02	2.93230E 00	3.47634E 02	0.0	1.41847E 01	2.79022E-03	4.46197E-01
70	2.20175E 03	1.54673E 03	2.93230E 00	6.43473E 02	0.0	1.15393E 01	1.20444E-02	3.21634E-01

Table A-4.5.2 SELF-SHIELDING FACTOR TABLES CODE NO = 941

GROUP	T(K)	FF 10.	FF 100.	FF 1000.	FF 10000.	FC 10.	FC 100.	FC 1000.	FC 10000.	FE 10.	FE 100.	FE 1000.	FE 10000.	FI 10.	FI 100.	FI 1000.	FI 10000.
26	300.	0.9651	0.9931	0.9992	0.9999	0.9502	0.9911	0.9990	0.9999	0.9880	0.9977	0.9997	1.0000	0.9721	0.9940	0.9993	0.9998
	900.	0.9719	0.9948	0.9994	0.9999	0.9568	0.9927	0.9992	0.9999	0.9903	0.9982	0.9998	1.0000	0.9786	0.9957	0.9995	0.9999
	2100.	0.9750	0.9956	0.9995	0.9999	0.9595	0.9935	0.9993	0.9999	0.9915	0.9985	0.9998	1.0000	0.9820	0.9966	0.9996	1.0001
27	300.	0.9700	0.9930	0.9992	0.9999	0.9675	0.9925	0.9991	0.9999	0.9901	0.9976	0.9997	1.0000	0.9704	0.9928	0.9991	0.9999
	900.	0.9796	0.9954	0.9995	0.9999	0.9784	0.9951	0.9994	0.9999	0.9937	0.9985	0.9998	1.0000	0.9803	0.9954	0.9995	0.9998
	2100.	0.9848	0.9966	0.9996	1.0000	0.9843	0.9965	0.9996	1.0000	0.9957	0.9990	0.9999	1.0000	0.9860	0.9967	0.9996	1.0000
28	300.	0.9613	0.9914	0.9990	0.9999	0.9572	0.9907	0.9989	0.9999	0.9898	0.9976	0.9997	1.0000	0.9667	0.9921	0.9991	0.9998
	900.	0.9735	0.9944	0.9994	0.9999	0.9702	0.9939	0.9993	0.9999	0.9937	0.9986	0.9998	1.0000	0.9782	0.9951	0.9994	1.0001
	2100.	0.9800	0.9959	0.9995	0.9999	0.9767	0.9955	0.9995	0.9999	0.9958	0.9991	0.9999	1.0000	0.9844	0.9966	0.9996	0.9998
29	300.	0.9405	0.9866	0.9985	0.9998	0.9625	0.9901	0.9988	0.9999	0.9885	0.9971	0.9997	1.0000	0.9564	0.9891	0.9987	0.9998
	900.	0.9555	0.9905	0.9989	0.9999	0.9795	0.9944	0.9993	0.9999	0.9927	0.9982	0.9998	1.0000	0.9701	0.9929	0.9992	0.9998
	2100.	0.9643	0.9926	0.9992	0.9999	0.9882	0.9966	0.9996	1.0000	0.9951	0.9988	0.9999	1.0000	0.9782	0.9949	0.9994	0.9999
30	300.	0.9378	0.9839	0.9981	0.9998	0.9532	0.9875	0.9985	0.9999	0.9869	0.9969	0.9996	1.0000	0.9497	0.9863	0.9983	0.9998
	900.	0.9552	0.9885	0.9986	0.9998	0.9751	0.9936	0.9992	1.0000	0.9926	0.9981	0.9998	1.0000	0.9656	0.9909	0.9989	0.9998
	2100.	0.9656	0.9912	0.9990	0.9999	0.9882	0.9970	0.9996	1.0000	0.9953	0.9988	0.9999	1.0000	0.9755	0.9936	0.9992	0.9999
31	300.	0.9258	0.9799	0.9976	0.9997	0.9140	0.9746	0.9969	0.9996	0.9861	0.9959	0.9995	0.9999	0.9401	0.9829	0.9979	0.9998
	900.	0.9473	0.9871	0.9998	1.0015	0.9373	0.9814	0.9982	1.0002	0.9901	0.9971	0.9997	1.0000	0.9568	0.9885	0.9990	1.0001
	2100.	0.9607	0.9912	1.0009	1.0021	0.9497	0.9849	0.9988	1.0003	0.9925	0.9979	0.9998	1.0000	0.9673	0.9917	0.9996	1.0005
32	300.	0.9072	0.9744	0.9969	0.9997	0.9023	0.9743	0.9969	0.9997	0.9783	0.9944	0.9993	0.9999	0.9102	0.9739	0.9967	0.9998
	900.	0.9345	0.9828	0.9982	1.0001	0.9392	0.9851	0.9982	0.9998	0.9865	0.9968	0.9994	0.9998	0.9375	0.9831	0.9979	0.9998
	2100.	0.9512	0.9876	0.9989	1.0003	0.9588	0.9904	0.9988	0.9999	0.9910	0.9980	0.9994	0.9996	0.9543	0.9882	0.9985	0.9999
33	300.	0.9149	0.9801	0.9976	0.9998	0.8785	0.9605	0.9952	0.9994	0.9811	0.9943	0.9993	0.9999	0.9123	0.9747	0.9968	0.9998
	900.	0.9500	0.9918	1.0008	1.0019	0.9226	0.9742	0.9975	1.0002	0.9888	0.9969	0.9998	1.0002	0.9445	0.9860	0.9990	1.0007
	2100.	0.9691	0.9976	1.0023	1.0029	0.9453	0.9808	0.9986	1.0007	0.9930	0.9983	1.0003	1.0005	0.9632	0.9917	1.0001	1.0011
34	300.	0.8294	0.9388	0.9921	0.9990	0.8450	0.9523	0.9941	0.9993	0.9635	0.9884	0.9985	0.9998	0.8439	0.9459	0.9928	0.9992
	900.	0.8724	0.9531	0.9938	0.9989	0.8990	0.9699	0.9964	0.9996	0.9755	0.9926	0.9990	0.9998	0.8856	0.9625	0.9951	0.9993
	2100.	0.8970	0.9604	0.9939	0.9980	0.9277	0.9782	0.9973	0.9995	0.9826	0.9949	0.9993	0.9999	0.9113	0.9713	0.9960	0.9991
35	300.	0.8603	0.9615	0.9951	0.9995	0.8643	0.9613	0.9950	0.9995	0.9724	0.9915	0.9989	0.9999	0.8588	0.9555	0.9941	0.9995
	900.	0.9079	0.9784	0.9989	1.0016	0.9169	0.9789	0.9981	1.0006	0.9815	0.9949	0.9993	0.9999	0.9030	0.9727	0.9971	1.0003
	2100.	0.9361	0.9884	1.0017	1.0034	0.9423	0.9871	0.9998	1.0014	0.9865	0.9965	0.9994	0.9998	0.9292	0.9821	0.9989	1.0010
36	300.	0.7779	0.9157	0.9889	0.9986	0.7400	0.8995	0.9865	0.9984	0.9485	0.9788	0.9970	0.9997	0.7674	0.9083	0.9870	0.9984
	900.	0.8205	0.9321	0.9912	0.9987	0.7987	0.9237	0.9889	0.9983	0.9603	0.9844	0.9979	0.9997	0.8083	0.9295	0.9905	0.9988
	2100.	0.8480	0.9411	0.9922	0.9989	0.8353	0.9366	0.9917	0.9984	0.9684	0.9877	0.9985	0.9999	0.8385	0.9418	0.9924	0.9988
37	300.	0.7388	0.8986	0.9856	0.9985	0.6893	0.8741	0.9819	0.9984	0.9226	0.9664	0.9949	0.9994	0.7215	0.8784	0.9809	0.9978
	900.	0.7967	0.9267	0.9932	1.0022	0.7691	0.9130	0.9903	1.0007	0.9417	0.9770	0.9974	1.0003	0.7716	0.9120	0.9890	1.0002
	2100.	0.8397	0.9451	0.9980	1.0048	0.8211	0.9347	0.9949	1.0026	0.9558	0.9835	0.9990	1.0010	0.8121	0.9337	0.9939	1.0021
38	300.	0.7179	0.8872	0.9837	0.9982	0.7546	0.9151	0.9881	0.9989	0.9399	0.9771	0.9966	0.9997	0.7089	0.8871	0.9808	0.9979
	900.	0.7943	0.9213	0.9891	0.9984	0.8431	0.9502	0.9928	0.9985	0.9575	0.9854	0.9976	0.9994	0.7803	0.9167	0.9878	0.9984
	2100.	0.8477	0.9416	0.9918	0.9984	0.8930	0.9670	0.9952	0.9988	0.9689	0.9900	0.9980	0.9991	0.8341	0.9402	0.9914	0.9984
39	300.	0.7192	0.8685	0.9805	0.9977	0.6654	0.8624	0.9773	0.9977	0.8998	0.9542	0.9920	0.9992	0.6592	0.8310	0.9701	0.9967
	900.	0.7899	0.8999	0.9856	0.9970	0.7653	0.9161	0.9856	0.9969	0.9247	0.9699	0.9948	0.9990	0.7342	0.8754	0.9800	0.9970
	2100.	0.8362	0.9188	0.9880	0.9971	0.8232	0.9454	0.9890	0.9956	0.9415	0.9802	0.9966	0.9991	0.7859	0.9079	0.9853	0.9969
40	300.	0.7195	0.8955	0.9836	0.9983	0.6550	0.8410	0.9760	0.9972	0.9572	0.9794	0.9967	0.9996	0.6831	0.8346	0.9751	0.9974
	900.	0.7720	0.9252	0.9906	1.0009	0.7422	0.8863	0.9845	0.9988	0.9675	0.9889	0.9983	1.0000	0.7341	0.8908	0.9838	0.9969
	2100.	0.8093	0.9462	0.9954	1.0029	0.7953	0.9110	0.9889	0.9999	0.9749	0.9907	0.9997	1.0011	0.7725	0.9155	0.9894	1.0011
41	300.	0.6182	0.8289	0.9723	0.9970	0.4973	0.7571	0.9561	0.9932	0.8622	0.9342	0.9874	0.9987	0.5342	0.7651	0.9497	0.9944
	900.	0.6837	0.8709	0.9812	0.9983	0.5835	0.8228	0.9688	0.9938	0.8834	0.9539	0.9914	0.9982	0.5832	0.8005	0.9652	0.9955
	2100.	0.7396	0.9006	0.9859	0.9981	0.6485	0.8622	0.9715	0.9883	0.9016	0.9672	0.9924	0.9965	0.6312	0.8419	0.9731	0.9943

Table A-4.5.2 (continued)

GROUP	T(K)	FF 10.	FF 100.	FF 1000.	FF 10000.	FC 10.	FC 100.	FC 1000.	FC 10000.	FE 10.	FE 100.	FE 1000.	FE 10000.	FT 10.	FT 100.	FT 1000.	FT 10000.
42	300.	0.6144	0.8089	0.9617	0.9954	0.5086	0.7418	0.9479	0.9941	0.8813	0.9257	0.9831	0.9980	0.5350	0.7331	0.9374	0.9924
	900.	0.6838	0.8552	0.9756	0.9989	0.6149	0.8311	0.9749	1.0018	0.9034	0.9456	0.9903	0.9998	0.5888	0.7950	0.9612	0.9975
	2100.	0.7490	0.8911	0.9859	1.0027	0.7086	0.8971	0.9952	1.0115	0.9244	0.9618	0.9960	1.0024	0.6485	0.8471	0.9779	1.0026
43	300.	0.5308	0.7636	0.9482	0.9939	0.5021	0.7350	0.9482	0.9940	0.9148	0.9457	0.9878	0.9985	0.5237	0.7101	0.9269	0.9910
	900.	0.5917	0.8104	0.9589	0.9916	0.6129	0.8171	0.9672	0.9946	0.9297	0.9580	0.9913	0.9986	0.5723	0.7665	0.9468	0.9916
	2100.	0.6508	0.8474	0.9646	0.9879	0.7084	0.8719	0.9767	0.9938	0.9432	0.9671	0.9931	0.9981	0.6261	0.8135	0.9590	0.9904
44	300.	0.6336	0.8419	0.9736	0.9973	0.5015	0.7524	0.9554	0.9954	0.9548	0.9779	0.9959	0.9996	0.5720	0.7645	0.9528	0.9949
	900.	0.6872	0.8785	0.9833	1.0007	0.5941	0.8273	0.9744	0.9990	0.9606	0.9837	0.9960	0.9981	0.6178	0.8121	0.9675	0.9977
	2100.	0.7429	0.9119	0.9911	1.0035	0.6771	0.8841	0.9863	1.0016	0.9659	0.9880	0.9958	0.9969	0.6698	0.8565	0.9783	0.9998
45	300.	0.4655	0.6716	0.9160	0.9890	0.4237	0.6442	0.9157	0.9889	0.9313	0.9502	0.9865	0.9982	0.4480	0.6167	0.8835	0.9843
	900.	0.5078	0.7142	0.9357	0.9933	0.4896	0.7024	0.9385	0.9950	0.9400	0.9593	0.9916	1.0005	0.4772	0.6583	0.9107	0.9903
	2100.	0.5577	0.7546	0.9507	0.9965	0.5512	0.7453	0.9541	1.0008	0.9508	0.9689	0.9976	1.0046	0.5170	0.7002	0.9321	0.9955
46	300.	0.6477	0.8559	0.9712	0.9967	0.4197	0.5678	0.8537	0.9780	0.8671	0.8794	0.9542	0.9930	0.4857	0.6739	0.8874	0.9826
	900.	0.6950	0.8873	0.9805	0.9991	0.4860	0.6233	0.8862	0.9819	0.8855	0.8973	0.9667	0.9984	0.5307	0.7186	0.9146	0.9887
	2100.	0.7367	0.9115	0.9853	0.9988	0.5351	0.6584	0.9013	0.9800	0.8955	0.9078	0.9752	0.9994	0.5720	0.7518	0.9300	0.9896
47	300.	0.4709	0.6881	0.9232	0.9904	0.3483	0.5611	0.8802	0.9844	0.9081	0.9324	0.9817	0.9976	0.3766	0.5650	0.8696	0.9831
	900.	0.5101	0.7407	0.9451	0.9949	0.4020	0.6367	0.9205	1.0003	0.9119	0.9399	0.9819	0.9934	0.3917	0.6141	0.9061	0.9907
	2100.	0.5537	0.7858	0.9596	0.9980	0.4660	0.7072	0.9499	1.0127	0.9198	0.9489	0.9830	0.9915	0.4168	0.6660	0.9319	0.9962
48	300.	0.4064	0.6425	0.9024	0.9873	0.4388	0.6919	0.9401	0.9938	0.9416	0.9624	0.9902	0.9988	0.3412	0.5469	0.8664	0.9828
	900.	0.4489	0.6921	0.9186	0.9896	0.5061	0.7588	0.9567	0.9863	0.9503	0.9741	0.9966	1.0028	0.3682	0.5984	0.8942	0.9859
	2100.	0.4951	0.7358	0.9305	0.9910	0.5661	0.8045	0.9649	0.9812	0.9598	0.9839	1.0010	1.0065	0.4041	0.6447	0.9142	0.9879
49	300.	0.3495	0.6742	0.9135	0.9885	0.3647	0.6791	0.9077	0.9875	0.9926	0.9949	0.9939	0.9990	0.3801	0.6047	0.8800	0.9838
	900.	0.3576	0.6938	0.9204	0.9883	0.3746	0.7027	0.9158	0.9881	0.9918	0.9967	0.9940	0.9988	0.3820	0.6184	0.8901	0.9845
	2100.	0.3696	0.7193	0.9291	0.9886	0.3886	0.7324	0.9276	0.9913	0.9953	1.0002	0.9954	0.9998	0.3872	0.6385	0.9031	0.9862
50	300.	0.5778	0.8066	0.9596	0.9952	0.4444	0.6887	0.9256	0.9909	0.9837	0.9921	0.9977	0.9997	0.5154	0.7206	0.9310	0.9915
	900.	0.6003	0.8297	0.9686	0.9986	0.4808	0.7280	0.9397	0.9924	0.9854	0.9955	1.0012	1.0031	0.5316	0.7450	0.9445	0.9954
	2100.	0.6276	0.8504	0.9751	1.0016	0.5155	0.7573	0.9463	0.9914	0.9851	0.9947	0.9996	1.0012	0.5531	0.7683	0.9527	0.9971
51	300.	0.5234	0.6827	0.9049	0.9871	0.5407	0.7310	0.9376	0.9925	0.9889	0.9904	0.9972	0.9996	0.4356	0.5983	0.8726	0.9830
	900.	0.5408	0.6994	0.9107	0.9878	0.5829	0.7690	0.9499	0.9950	0.9840	0.9859	0.9923	0.9943	0.4480	0.6177	0.8827	0.9839
	2100.	0.5673	0.7210	0.9172	0.9880	0.6383	0.8119	0.9628	0.9986	0.9782	0.9809	0.9869	0.9888	0.4694	0.6449	0.8945	0.9847
52	300.	0.5248	0.6885	0.9302	0.9923	0.5169	0.6580	0.8997	0.9876	0.9578	0.9794	1.0002	1.0002	0.4223	0.5682	0.8522	0.9800
	900.	0.5520	0.7156	0.9472	0.9951	0.5648	0.6998	0.9202	0.9906	0.9525	0.9743	0.9949	0.9935	0.4469	0.5932	0.8770	0.9841
	2100.	0.5910	0.7536	0.9665	0.9981	0.6252	0.7490	0.9394	0.9918	0.9500	0.9716	0.9911	0.9883	0.4810	0.6309	0.9059	0.9883
53	300.	0.2674	0.4482	0.7238	0.9485	0.1750	0.3425	0.6483	0.9312	0.7610	0.8014	0.8873	0.9778	0.2078	0.3129	0.5722	0.9016
	900.	0.2788	0.4714	0.7514	0.9480	0.1905	0.3786	0.7047	0.9469	0.7608	0.8079	0.9011	0.9787	0.2108	0.3238	0.6175	0.9201
	2100.	0.2961	0.5013	0.7761	0.9451	0.2160	0.4271	0.7553	0.9567	0.7641	0.8192	0.9135	0.9781	0.2174	0.3431	0.6663	0.9316
54	300.	0.3736	0.4654	0.6810	0.9274	0.2706	0.3232	0.5414	0.8950	0.5950	0.6449	0.7756	0.9489	0.2359	0.3114	0.4998	0.8561
	900.	0.3955	0.4931	0.7200	0.9426	0.2921	0.3522	0.5779	0.9066	0.6021	0.6568	0.7953	0.9539	0.2424	0.3235	0.5372	0.8828
	2100.	0.4386	0.5405	0.7656	0.9501	0.3324	0.3980	0.6154	0.9026	0.6191	0.6779	0.8165	0.9515	0.2618	0.3531	0.5900	0.8997
55	300.	0.5581	0.7385	0.9375	0.9923	0.5433	0.6656	1.0038	1.0063	0.9887	1.0137	0.9796	0.9962	0.4675	0.6116	0.8900	0.9868
	900.	0.5649	0.7484	0.9520	1.0060	0.5606	0.6941	1.1044	1.1121	0.9849	1.0124	0.9829	1.0002	0.4704	0.6186	0.9069	1.0103
	2100.	0.5783	0.7674	0.9876	1.0438	0.5975	0.7549	1.3283	1.3575	0.9872	1.0199	1.0077	1.0263	0.4768	0.6320	0.9517	1.0706
56	300.	0.6890	0.8025	0.9739	0.9966	0.5465	0.6430	0.8741	0.9820	0.9764	0.9835	0.9971	0.9997	0.5416	0.6542	0.8962	0.9832
	900.	0.7093	0.8247	0.9885	1.0000	0.5724	0.6731	0.8970	0.9866	0.9725	0.9800	0.9931	0.9946	0.5530	0.6736	0.9188	0.9887
	2100.	0.7439	0.8579	1.0048	1.0037	0.6169	0.7186	0.9222	0.9911	0.9714	0.9790	0.9909	0.9913	0.5780	0.7093	0.9463	0.9946
57	300.	0.6271	0.6824	0.8395	0.9777	0.5629	0.6659	0.8997	0.9896	1.0052	1.0144	1.0164	1.0026	0.4352	0.5216	0.7773	0.9692
	900.	0.6370	0.6941	0.8468	0.9787	0.5845	0.6919	0.9190	0.9929	1.0003	1.0096	1.0117	0.9971	0.4397	0.5304	0.7899	0.9717
	2100.	0.6541	0.7128	0.8559	0.9795	0.6208	0.7319	0.9423	0.9964	0.9961	1.0055	1.0073	0.9920	0.4503	0.5479	0.8070	0.9741
58	300.	0.9215	0.9378	1.0573	1.0084	0.9520	0.9750	0.9279	0.9874	0.9970	0.9999	0.9918	0.9985	0.8521	0.8811	1.0253	1.0042
	900.	0.9301	0.9459	1.0611	1.0144	0.9737	0.9990	0.9486	1.0155	0.9906	0.9936	0.9862	0.9928	0.8620	0.8907	1.0304	1.0110
	2100.	0.9441	0.9586	1.0663	1.0222	1.0106	1.0375	0.9792	1.0546	0.9855	0.9884	0.9821	0.9883	0.8801	0.9075	1.0383	1.0204
59	300.	0.4485	0.5374	0.9782	1.0014	0.3015	0.3939	0.8740	0.9838	0.8288	0.8599	1.0160	1.0046	0.2572	0.3158	0.7748	0.9592
	900.	0.4573	0.5515	0.9998	1.0017	0.3170	0.4174	0.9138	0.9903	0.8269	0.8595	1.0186	1.0001	0.2578	0.3200	0.8100	0.9682
	2100.	0.4719	0.5718	1.0149	0.9985	0.3427	0.4521	0.9503	0.9933	0.8305	0.8645	1.0221	0.9969	0.2614	0.3303	0.8459	0.9731
60	300.	0.9899	0.9835	0.9984	1.0015	0.9822	0.9712	0.9974	1.0026	1.0027	1.0045	1.0004	0.9996	0.9808	0.9817	0.9980	1.0012
	900.	0.9912	0.9846	0.9992	1.0029	0.9835	0.9741	0.9999	1.0063	0.9955	0.9973	0.9934	0.9924	0.9808	0.9815	0.9977	1.0015
	2100.	0.9931	0.9861	1.0006	1.0051	0.9915	0.9794	1.0052	1.0131	0.9895	0.9914	0.9875	0.9862	0.9817	0.9822	0.9982	1.0027
61	300.	1.0010	0.9990	0.9998	1.0006	1.0007	0.9992	0.9998	1.0005	0.9997	1.0003	1.0001	0.9998	0.9995	0.9989	0.9998	1.0004
	900.	1.0019	1.0000	1.0006	1.0016	1.0026	1.0011	1.0016	1.0024	0.9933	0.9938	0.9937	0.9934	0.9990	0.9983	0.9991	0.9999
	2100.	1.0030	1.0010	1.0014	1.0026	1.0050	1.0035	1.0039	1.0048	0.9879	0.9885	0.9884	0.9880	0.9988	0.9981	0.9988	0.9997
62	300.	1.0007	1.0003	1.0000	1.0001	0.9976	0.9988	0.9998	0.9995	0.9994	0.9997	0.9999	0.9999	1.0002	1.0001	1.0000	1.0000
	900.	1.0016	1.0013	1.0010	1.0011	0.9994	1.0006	1.0017	1.0013	0.9933	0.9936	0.9939	0.9938	0.9995	0.9994	0.9993	0.9994
	2100.	1.0025	1.0021	1.0018	1.0019	1.0013	1.0027	1.0038	1.0034	0.9882	0.9886	0.9889	0.9888	0.9990	0.9989	0.9989	0.9989
63	300.	0.9980	0.9986	0.9997	0.9997	0.9916	0.9943	0.9987	0.9989	0.9992	0.9995	0.9999	0.9999	0.9974	0.9984	0.9996	0.9997
	900.	0.9990	0.9996	1.0007	1.0007	0.9933	0.9960	1.0005	1.0006	0.9934	0.9936	0.9940	0.9940	0.9968	0.9978	0.9991	0.9991
	2100.	0.9998	1.0004	1.0016	1.0015	0.9953	0.9980	1.0027	1.0026	0.9885	0.9888	0.9892	0.9892	0.9964	0.9974	0.9987	0.9987
64	300.	0.9709	0.9801	0.9954	0.9982	0.9525	0.9669	0.9922	0.9968	0.9769	0.9847	0.9965	0.9988	0.9595	0.9721	0.9934	0.9980
	900.	0.9719	0.9811	0.9965	0.9993	0.9540	0.9684	0.9939	0.9984	0.9715	0.9793	0.9911	0.9934	0.9591	0.9717	0.9932	0.9977
	2100.	0.9728	0.9820	0.9975	1.0002	0.9561	0.9704	0.9962	1.0005	0.9670	0.9748	0.9867	0.9889	0.9590	0.9716	0.9932	0.9976
65	300.	0.9946	0.9943	0.9983	0.9993	0.9841	0.9834	0.9950	0.9980	0.9987	0.9986	0.9996	0.9998	0.9922	0.9930	0.9980	0.9992
	900.	0.9946	0.9943	0.9984	0.9993	0.9841	0.9834	0.9951	0.9980	0.9987	0.9986	0.9996	0.9998	0.9922	0.9930	0.9981	0.9992
	2100.	0.9946	0.9943	0.9984	0.9993	0.9841	0.9834	0.9952	0.9980	0.9987	0.9986	0.9996	0.9998	0.9922	0.9930	0.9981	0.9992
66	300.	0.9909	0.9909	0.9968	0.9990	0.9729	0.9728	0.9904	0.9969	0.9979	0.9979	0.9993	0.9998	0.9843	0.9866	0.9956	0.9986
	900.	0.9909	0.9909	0.9968	0.9990	0.9729	0.9728	0.9905	0.9969	0.9979	0.9979	0.9993	0.9998	0.9843	0.9866	0.9957	0.9987
	2100.	0.9909	0.9909	0.9968	0.9990	0.9729	0.9728	0.9907	0.9969	0.9979	0.9979	0.9993	0.9998	0.9843	0.9866	0.9958	0.9987
67	300.	0.9570	0.9586	0.9841	0.9963	0.9331	0.9355	0.9754	0.9942	0.9953	0.9955	0.9983	0.9996	0.9319	0.9436	0.9807	0.9958
	900.	0.9570	0.9586	0.9842	0.9963	0.9331	0.9355	0.9756	0.9942	0.9953	0.9955	0.9983	0.9996	0.9319	0.9436	0.9808	0.9958
	2100.	0.9570	0.9586	0.9843	0.9963	0.9331	0.9355	0.9758	0.9942	0.9953	0.9955	0.9983	0.9996	0.9319	0.9436	0.9809	0.9958
68	300.	0.8377	0.8236	0.8964	0.9818	0.8378	0.8237	0.8966	0.9818	0.9874	0.9863	0.9922	0.9987	0.7570	0.7674	0.8775	0.9790
	900.	0.8377	0.8236	0.8967	0.9818	0.8378	0.8237	0.8969	0.9818	0.9874	0.9863	0.9922	0.9987	0.7570	0.7674	0.8777	0.9790
	2100.	0.8377	0.8236	0.8969	0.9818	0.8378	0.8237	0.8971	0.9818	0.9874	0.9863	0.9923	0.9987	0.7570	0.7674	0.8779	0.9790
69	300.	0.8056	0.7938	0.7312	0.9367	0.8206	0.8095	0.7520	0.9424	0.9998	0.9997	0.9999	1.0000	0.6945	0.6948	0.6935	0.9237
	900.	0.8056	0.7938	0.7316	0.9367	0.8206	0.8095	0.7523	0.9424	0.9998	0.9997	0.9997	1.0006	0.6945	0.6948	0.6938	0.9237
	2100.	0.8056	0.7938	0.7321	0.9367	0.8206	0.8095	0.7529	0.9424	0.9998	0.9997	0.9999	1.0006	0.6945	0.6948	0.6942	0.9237
70	300.	0.9967	0.9970	1.0085	1.0098	0.9972	0.9977	1.0202	1.0154	1.0023	1.0033	1.0522	1.0250	0.9889	0.9897	1.0081	1.0104
	900.	0.9967	0.9970	1.0084	1.0098	0.9972	0.9977	1.0199	1.0154	1.0023	1.0033	1.0516	1.0250	0.9889	0.9897	1.0079	1.0104
	2100.	0.9967	0.9970	1.0082	1.0098	0.9972	0.9977	1.0196	1.0154	1.0023	1.0033	1.0509	1.0250	0.9889	0.9897	1.0078	1.0104

Table A-4.5.2 (continued) PU-241,1 .... PAGE 3

GROUP	T(K)	FR 10.	100.	1000.	10000.	GROUP	T(K)	FR 10.	100.	1000.	10000.
26	300.	0.5590	0.9279	0.9921	0.9991	49	300.	0.3120	0.7253	0.9008	0.9852
	900.	0.5583	0.9284	0.9922	0.9991		900.	0.3027	0.7428	0.9034	0.9856
	2100.	0.5597	0.9292	0.9923	0.9991		2100.	0.2998	0.7619	0.9068	0.9861
27	300.	0.5654	0.9262	0.9917	0.9986	50	300.	0.6879	0.8136	0.9170	0.9861
	900.	0.5650	0.9271	0.9919	0.9988		900.	0.7045	0.8258	0.9167	0.9861
	2100.	0.5653	0.9276	0.9919	0.9988		2100.	0.7419	0.8421	0.9172	0.9862
28	300.	0.5925	0.9263	0.9916	0.9986	51	300.	0.6190	0.6588	0.8601	0.9783
	900.	0.5914	0.9263	0.9916	0.9986		900.	0.6265	0.6609	0.8581	0.9782
	2100.	0.5910	0.9264	0.9916	0.9986		2100.	0.6270	0.6529	0.8548	0.9779
29	300.	0.6213	0.9181	0.9906	0.9985	52	300.	2.0441	1.2472	0.9039	0.9828
	900.	0.6210	0.9182	0.9907	0.9985		900.	1.9457	1.2397	0.8999	0.9825
	2100.	0.6198	0.9182	0.9907	0.9985		2100.	1.8748	1.2404	0.8962	0.9822
30	300.	0.6374	0.8924	0.9873	0.9980	53	300.	0.0865	0.2787	0.6660	0.9447
	900.	0.6411	0.8938	0.9875	0.9980		900.	0.0986	0.3011	0.6797	0.9482
	2100.	0.6420	0.8946	0.9877	0.9981		2100.	0.1188	0.3322	0.6968	0.9521
31	300.	0.7500	0.8997	0.9881	0.9980	54	300.	0.1347	0.1853	0.3798	0.8554
	900.	0.7527	0.9005	0.9883	0.9980		900.	0.1447	0.2005	0.3930	0.8688
	2100.	0.7535	0.9012	0.9884	0.9980		2100.	0.1745	0.2342	0.4075	0.8791
32	300.	0.7591	0.8721	0.9844	0.9974	55	300.	0.2096	0.4876	0.7560	0.9609
	900.	0.7675	0.8748	0.9850	0.9974		900.	0.2178	0.5053	0.7602	0.9615
	2100.	0.7725	0.8764	0.9853	0.9975		2100.	0.2326	0.5349	0.7681	0.9628
33	300.	0.8366	0.8674	0.9834	0.9970	56	300.	1.4518	1.1923	0.7980	0.9662
	900.	0.8440	0.8697	0.9839	0.9970		900.	1.4868	1.2054	0.7969	0.9664
	2100.	0.8481	0.8705	0.9841	0.9970		2100.	1.5445	1.2270	0.7976	0.9667
34	300.	0.6710	0.8102	0.9751	0.9959	57	300.	0.3863	0.3911	0.5196	0.9182
	900.	0.6787	0.8131	0.9759	0.9960		900.	0.3952	0.4003	0.5194	0.9180
	2100.	0.6833	0.8159	0.9766	0.9960		2100.	0.4114	0.4159	0.5200	0.9181
35	300.	0.8490	0.8423	0.9799	0.9962	58	300.	0.6848	0.7890	0.6496	0.9398
	900.	0.8591	0.8433	0.9803	0.9962		900.	0.6684	0.7721	0.6467	0.9386
	2100.	0.8663	0.8437	0.9805	0.9962		2100.	0.6741	0.7742	0.6487	0.9382
36	300.	0.6387	0.7672	0.9685	0.9949	59	300.	2.1553	2.0090	0.9301	0.9693
	900.	0.6437	0.7694	0.9695	0.9950		900.	2.2031	2.0488	0.9332	0.9687
	2100.	0.6518	0.7710	0.9699	0.9951		2100.	2.2770	2.0934	0.9338	0.9676
37	300.	0.6997	0.7616	0.9644	0.9943	60	300.	1.0853	1.1663	1.0185	0.9814
	900.	0.6916	0.7635	0.9666	0.9946		900.	1.0860	1.1691	1.0260	0.9814
	2100.	0.6887	0.7655	0.9680	0.9947		2100.	1.0875	1.1739	1.0347	0.9814
38	300.	0.7265	0.7507	0.9652	0.9945	61	300.	0.9552	1.0145	1.0050	0.9808
	900.	0.7313	0.7475	0.9657	0.9945		900.	0.9553	1.0150	1.0096	0.9809
	2100.	0.7309	0.7446	0.9658	0.9945		2100.	0.9554	1.0158	1.0148	0.9809
39	300.	0.6514	0.6842	0.9535	0.9933	62	300.	0.8885	0.9413	0.9891	0.9795
	900.	0.6919	0.6882	0.9559	0.9935		900.	0.8884	0.9414	0.9921	0.9795
	2100.	0.7276	0.6915	0.9572	0.9937		2100.	0.8885	0.9416	0.9954	0.9795
40	300.	0.8325	0.7430	0.9627	0.9943	63	300.	0.8423	0.8880	0.9739	0.9788
	900.	0.8179	0.7472	0.9648	0.9946		900.	0.8423	0.8880	0.9759	0.9788
	2100.	0.8232	0.7487	0.9655	0.9947		2100.	0.8423	0.8881	0.9781	0.9788
41	300.	0.4743	0.5502	0.9139	0.9881	64	300.	0.4947	0.6630	0.9217	0.9730
	900.	0.4976	0.5670	0.9247	0.9895		900.	0.4946	0.6629	0.9231	0.9730
	2100.	0.5311	0.5826	0.9312	0.9902		2100.	0.4946	0.6629	0.9247	0.9730
42	300.	0.8766	0.7169	0.9523	0.9918	65	300.	0.7979	0.7905	0.9325	0.9733
	900.	0.8690	0.7028	0.9513	0.9918		900.	0.7980	0.7907	0.9337	0.9733
	2100.	0.8456	0.6877	0.9499	0.9917		2100.	0.7981	0.7910	0.9351	0.9733
43	300.	0.8016	0.7093	0.9445	0.9904	66	300.	0.7491	0.7498	0.9062	0.9701
	900.	0.7849	0.7123	0.9469	0.9907		900.	0.7491	0.7499	0.9072	0.9701
	2100.	0.7612	0.7164	0.9491	0.9910		2100.	0.7491	0.7500	0.9083	0.9701
44	300.	0.7126	0.6772	0.9357	0.9890	67	300.	0.5866	0.6011	0.8354	0.9620
	900.	0.7149	0.6841	0.9375	0.9893		900.	0.5866	0.6012	0.8363	0.9620
	2100.	0.7307	0.6909	0.9393	0.9895		2100.	0.5866	0.6012	0.8372	0.9620
45	300.	1.1008	0.8261	0.9545	0.9908	68	300.	0.4038	0.3605	0.5452	0.9115
	900.	1.0680	0.8139	0.9511	0.9905		900.	0.4038	0.3605	0.5460	0.9115
	2100.	1.0041	0.7936	0.9474	0.9901		2100.	0.4038	0.3605	0.5469	0.9115
46	300.	0.4122	0.5457	0.8909	0.9835	69	300.	0.4096	0.3845	0.1847	0.7333
	900.	0.4181	0.5580	0.8930	0.9838		900.	0.4096	0.3845	0.1858	0.7333
	2100.	0.4449	0.5771	0.8965	0.9843		2100.	0.4096	0.3845	0.1869	0.7333
47	300.	0.4892	0.5212	0.8429	0.9771	70	300.	1.0727	1.0621	0.5883	0.6878
	900.	0.4800	0.5294	0.8489	0.9784		900.	1.0727	1.0621	0.5940	0.6878
	2100.	0.4759	0.5424	0.8553	0.9795		2100.	1.0727	1.0621	0.6000	0.6878
48	300.	0.3647	0.5688	0.8454	0.9777						
	900.	0.3401	0.5671	0.8468	0.9784						
	2100.	0.3103	0.5555	0.8461	0.9786						

Table A-5.1 SELF-SHIELDING FACTOR TABLES CODE NO = 925   U-235 .... PAGE 1

GROUP	T(K)	FF 0.	FF 10.	FF 100.	FF 1000.	FC 0.	FC 10.	FC 100.	FC 1000.	FE 0.	FE 10.	FE 100.	FE 1000.	FT 0.	FT 10.	FT 100.	FT 1000.
26	300	0,9639	0,9829	0,9966	0,9996	0,9763	0,9850	0,9971	0,9997	0,9950	0,9964	0,9993	0,9999	0,9821	0,9894	0,9978	0,9997
	900	0,9681	0,9870	0,9976	0,9997	0,9797	0,9888	0,9980	0,9998	0,9965	0,9974	0,9995	0,9999	0,9870	0,9927	0,9986	0,9998
	2100	0,9673	0,9885	0,9980	0,9998	0,9787	0,9900	0,9983	0,9998	0,9970	0,9979	0,9996	1,0000	0,9888	0,9943	0,9989	0,9999
27	300	0,9735	0,9806	0,9959	0,9995	0,9789	0,9879	0,9971	0,9997	0,9960	0,9979	0,9995	0,9999	0,9829	0,9894	0,9975	0,9997
	900	0,9833	0,9862	0,9972	0,9997	0,9876	0,9928	0,9983	0,9998	0,9978	0,9990	0,9997	1,0000	0,9898	0,9935	0,9985	0,9998
	2100	0,9878	0,9884	0,9978	0,9998	0,9914	0,9943	0,9987	0,9999	0,9986	0,9994	0,9998	1,0000	0,9931	0,9953	0,9990	0,9999
28	300	0,9567	0,9606	0,9920	0,9991	0,9583	0,9599	0,9925	0,9991	0,9930	0,9946	0,9989	0,9999	0,9711	0,9779	0,9952	0,9995
	900	0,9697	0,9683	0,9940	0,9993	0,9708	0,9674	0,9944	0,9994	0,9954	0,9961	0,9992	0,9999	0,9807	0,9840	0,9967	0,9997
	2100	0,9760	0,9718	0,9949	0,9994	0,9766	0,9706	0,9952	0,9995	0,9967	0,9969	0,9994	0,9999	0,9856	0,9869	0,9975	0,9997
29	300	0,9516	0,9673	0,9924	0,9991	0,9515	0,9674	0,9924	0,9991	0,9913	0,9947	0,9987	0,9998	0,9631	0,9759	0,9940	0,9993
	900	0,9687	0,9784	0,9952	0,9994	0,9682	0,9789	0,9952	0,9994	0,9945	0,9969	0,9992	0,9999	0,9761	0,9846	0,9963	0,9996
	2100	0,9727	0,9841	0,9966	0,9996	0,9692	0,9842	0,9965	0,9996	0,9962	0,9980	0,9995	0,9999	0,9815	0,9893	0,9975	0,9997
30	300	0,9379	0,9492	0,9885	0,9987	0,9444	0,9632	0,9909	0,9989	0,9910	0,9936	0,9984	0,9998	0,9564	0,9687	0,9923	0,9991
	900	0,9599	0,9628	0,9919	0,9991	0,9645	0,9760	0,9942	0,9993	0,9942	0,9957	0,9990	0,9999	0,9716	0,9787	0,9950	0,9994
	2100	0,9691	0,9694	0,9936	0,9993	0,9726	0,9827	0,9959	0,9995	0,9960	0,9968	0,9993	0,9999	0,9791	0,9840	0,9964	0,9996
31	300	0,9224	0,9364	0,9836	0,9981	0,9325	0,9521	0,9881	0,9986	0,9898	0,9928	0,9982	0,9998	0,9462	0,9609	0,9897	0,9988
	900	0,9464	0,9524	0,9885	0,9995	0,9561	0,9678	0,9927	0,9997	0,9933	0,9951	0,9988	0,9999	0,9634	0,9728	0,9931	0,9994
	2100	0,9594	0,9602	0,9904	0,9995	0,9681	0,9749	0,9944	0,9996	0,9952	0,9964	0,9991	0,9999	0,9735	0,9792	0,9948	0,9995
32	300	0,9170	0,9414	0,9840	0,9981	0,9224	0,9524	0,9880	0,9985	0,9900	0,9932	0,9982	0,9998	0,9367	0,9564	0,9879	0,9985
	900	0,9473	0,9622	0,9904	0,9999	0,9537	0,9738	0,9944	0,9999	0,9937	0,9959	0,9990	0,9999	0,9593	0,9723	0,9928	0,9994
	2100	0,9635	0,9730	0,9932	1,0002	0,9685	0,9838	0,9967	0,9998	0,9957	0,9973	0,9993	0,9999	0,9716	0,9808	0,9952	0,9998
33	300	0,8991	0,9356	0,9847	0,9982	0,8863	0,9262	0,9818	0,9978	0,9880	0,9921	0,9981	0,9998	0,9169	0,9441	0,9852	0,9982
	900	0,9356	0,9609	0,9923	0,9998	0,9261	0,9540	0,9896	0,9987	0,9922	0,9951	0,9990	0,9999	0,9441	0,9638	0,9913	0,9991
	2100	0,9570	0,9753	0,9962	1,0004	0,9483	0,9689	0,9931	0,9987	0,9947	0,9969	0,9994	0,9999	0,9612	0,9755	0,9945	0,9994
34	300	0,8764	0,9137	0,9735	0,9968	0,8883	0,9237	0,9791	0,9974	0,9860	0,9901	0,9971	0,9996	0,9007	0,9297	0,9789	0,9973
	900	0,9157	0,9415	0,9820	0,9985	0,9346	0,9569	0,9892	0,9991	0,9913	0,9939	0,9983	0,9998	0,9325	0,9534	0,9867	0,9986
	2100	0,9364	0,9559	0,9861	0,9994	0,9584	0,9735	0,9938	0,9999	0,9942	0,9959	0,9989	0,9999	0,9505	0,9662	0,9905	0,9992
35	300	0,8233	0,8733	0,9600	0,9949	0,8401	0,8866	0,9655	0,9956	0,9792	0,9847	0,9950	0,9994	0,8477	0,8880	0,9634	0,9952
	900	0,8759	0,9121	0,9725	0,9968	0,8939	0,9257	0,9781	0,9975	0,9860	0,9896	0,9966	0,9996	0,8907	0,9214	0,9754	0,9970
	2100	0,9094	0,9361	0,9798	0,9977	0,9266	0,9488	0,9852	0,9986	0,9902	0,9927	0,9976	0,9997	0,9198	0,9429	0,9824	0,9979
36	300	0,8022	0,8569	0,9538	0,9939	0,7918	0,8468	0,9470	0,9930	0,9705	0,9772	0,9919	0,9989	0,8130	0,8590	0,9501	0,9930
	900	0,8621	0,9024	0,9716	0,9978	0,8597	0,8987	0,9660	0,9962	0,9788	0,9841	0,9947	0,9993	0,8639	0,9004	0,9676	0,9961
	2100	0,9035	0,9326	0,9826	1,0004	0,9035	0,9305	0,9768	0,9980	0,9847	0,9887	0,9964	0,9995	0,9024	0,9294	0,9785	0,9981
37	300	0,7655	0,8246	0,9427	0,9919	0,7445	0,8066	0,9292	0,9902	0,9586	0,9669	0,9863	0,9979	0,7659	0,8179	0,9308	0,9895
	900	0,8237	0,8710	0,9603	0,9949	0,8135	0,8618	0,9503	0,9936	0,9690	0,9754	0,9902	0,9986	0,8165	0,8614	0,9506	0,9931
	2100	0,8631	0,9021	0,9712	0,9967	0,8599	0,8984	0,9631	0,9959	0,9766	0,9814	0,9926	0,9990	0,8545	0,8925	0,9633	0,9953
38	300	0,7125	0,7858	0,9172	0,9885	0,7394	0,8066	0,9341	0,9909	0,9709	0,9761	0,9911	0,9987	0,7575	0,8081	0,9222	0,9883
	900	0,7739	0,8350	0,9392	0,9932	0,8140	0,8649	0,9582	0,9955	0,9787	0,9830	0,9943	0,9992	0,8077	0,8517	0,9444	0,9926
	2100	0,8105	0,8634	0,9515	0,9953	0,8575	0,8973	0,9710	0,9976	0,9836	0,9874	0,9961	0,9995	0,8395	0,8779	0,9571	0,9947
39	300	0,6872	0,7569	0,9021	0,9860	0,6838	0,7588	0,9127	0,9878	0,9647	0,9711	0,9894	0,9984	0,6972	0,7562	0,8975	0,9842
	900	0,7639	0,8203	0,9292	0,9911	0,7659	0,8285	0,9431	0,9926	0,9749	0,9797	0,9940	0,9992	0,7584	0,8125	0,9280	0,9903
	2100	0,8197	0,8650	0,9467	0,9943	0,8243	0,8758	0,9610	0,9950	0,9824	0,9860	0,9969	0,9996	0,8082	0,8559	0,9479	0,9937
40	300	0,6776	0,7453	0,8884	0,9835	0,6082	0,6835	0,8645	0,9796	0,9562	0,9625	0,9824	0,9971	0,6535	0,7127	0,8655	0,9775
	900	0,7560	0,8105	0,9177	0,9894	0,7070	0,7693	0,9077	0,9878	0,9661	0,9716	0,9877	0,9982	0,7206	0,7752	0,9024	0,9859
	2100	0,8215	0,8624	0,9387	0,9936	0,7909	0,8386	0,9382	0,9939	0,9748	0,9793	0,9916	0,9989	0,7872	0,8323	0,9302	0,9914
41	300	0,6987	0,7673	0,9225	0,9890	0,6632	0,7342	0,8898	0,9856	0,9733	0,9782	0,9933	0,9990	0,6658	0,7292	0,8916	0,9834
	900	0,7724	0,8277	0,9497	0,9938	0,7721	0,8252	0,9398	0,9900	0,9807	0,9854	0,9972	0,9996	0,7386	0,7952	0,9276	0,9893
	2100	0,8262	0,8708	0,9672	0,9964	0,8449	0,8827	0,9599	0,9904	0,9862	0,9904	0,9994	0,9999	0,7967	0,8453	0,9505	0,9923
42	300	0,6735	0,7445	0,9072	0,9867	0,6652	0,7340	0,8849	0,9829	0,9824	0,9851	0,9930	0,9989	0,6570	0,7186	0,8820	0,9816
	900	0,7414	0,8038	0,9345	0,9899	0,7522	0,8099	0,9199	0,9876	0,9870	0,9889	0,9949	0,9992	0,7125	0,7743	0,9155	0,9872
	2100	0,7945	0,8470	0,9519	0,9914	0,8210	0,8660	0,9432	0,9924	0,9920	0,9920	0,9963	0,9995	0,7650	0,8212	0,9383	0,9908
43	300	0,5033	0,6023	0,8378	0,9711	0,5033	0,6062	0,8537	0,9742	0,9361	0,9444	0,9731	0,9946	0,5293	0,5962	0,7972	0,9579
	900	0,5742	0,6716	0,8881	0,9848	0,5891	0,6919	0,9167	0,9897	0,9445	0,9536	0,9813	0,9968	0,5793	0,6518	0,8502	0,9748
	2100	0,6278	0,7214	0,9211	0,9925	0,6616	0,7410	0,9489	0,9963	0,9508	0,9602	0,9867	0,9979	0,6185	0,6923	0,8844	0,9839
44	300	0,5641	0,6562	0,8968	0,9833	0,5313	0,6032	0,7934	0,9610	0,9530	0,9584	0,9759	0,9945	0,5151	0,5779	0,7887	0,9579
	900	0,6472	0,7352	0,9542	0,9938	0,6366	0,7015	0,8531	0,9742	0,9603	0,9667	0,9831	0,9965	0,5833	0,6485	0,8544	0,9749
	2100	0,7206	0,8025	0,9940	0,9994	0,7189	0,7742	0,8877	0,9792	0,9675	0,9738	0,9877	0,9974	0,6541	0,7174	0,9025	0,9837
45	300	0,5256	0,6170	0,8702	0,9762	0,5102	0,6044	0,8608	0,9767	0,9668	0,9712	0,9886	0,9977	0,5110	0,5807	0,7983	0,9559
	900	0,5940	0,6856	0,9245	0,9901	0,5886	0,6846	0,9259	0,9919	0,9701	0,9763	0,9937	0,9989	0,5561	0,6343	0,8606	0,9743
	2100	0,6543	0,7446	0,9789	1,0005	0,6501	0,7434	0,9697	1,0041	0,9734	0,9815	0,9980	0,9997	0,6000	0,6827	0,9123	0,9873
46	300	0,4126	0,4677	0,6554	0,8975	0,3387	0,4028	0,6098	0,8815	0,8809	0,8869	0,9132	0,9674	0,3886	0,4265	0,5837	0,8475
	900	0,4791	0,5305	0,7036	0,9220	0,4224	0,4890	0,6836	0,9136	0,8953	0,9003	0,9255	0,9755	0,4357	0,4786	0,6403	0,8829
	2100	0,5546	0,6001	0,7539	0,9436	0,5081	0,5716	0,7439	0,9358	0,9092	0,9133	0,9367	0,9816	0,4971	0,5420	0,6982	0,9133
47	300	0,5437	0,6269	0,8376	0,9701	0,4409	0,5356	0,7869	0,9595	0,9564	0,9603	0,9774	0,9950	0,4766	0,5454	0,7491	0,9420
	900	0,6139	0,6978	0,8889	0,9815	0,5276	0,6293	0,8621	0,9778	0,9582	0,9663	0,9847	0,9975	0,5277	0,6077	0,8146	0,9626
	2100	0,6724	0,7488	0,9214	0,9846	0,5914	0,6900	0,9052	0,9858	0,9582	0,9698	0,9902	0,9991	0,5795	0,6602	0,8582	0,9726
48	300	0,4826	0,5805	0,8151	0,9704	0,4957	0,5618	0,7776	0,9606	0,9794	0,9821	0,9887	0,9976	0,4687	0,5339	0,7389	0,9466
	900	0,5347	0,6309	0,8567	0,9806	0,5772	0,6432	0,8423	0,9776	0,9849	0,9852	0,9918	0,9983	0,5071	0,5774	0,7902	0,9643
	2100	0,5891	0,6836	0,8932	0,9874	0,6586	0,7229	0,8953	0,9901	0,9886	0,9881	0,9943	0,9988	0,5555	0,6308	0,8388	0,9768
49	300	0,5543	0,5941	0,7685	0,9522	0,5172	0,5550	0,7280	0,9386	0,9591	0,9700	0,9921	0,9989	0,4213	0,4569	0,6403	0,9091
	900	0,6460	0,6791	0,8288	0,9696	0,6242	0,6557	0,8031	0,9617	0,9708	0,9779	1,0001	1,0022	0,5058	0,5410	0,7189	0,9404
	2100	0,7289	0,7546	0,8747	0,9792	0,7174	0,7415	0,8573	0,9730	0,9779	0,9835	1,0060	1,0041	0,5601	0,6355	0,7871	0,9587
50	300	0,6188	0,6689	0,8155	0,9580	0,4251	0,4881	0,7026	0,9342	0,9709	0,9722	0,9760	0,9916	0,5241	0,5666	0,7176	0,9189
	900	0,6653	0,7155	0,8574	0,9789	0,4791	0,5492	0,7698	0,9628	0,9752	0,9783	0,9812	0,9935	0,5568	0,6037	0,7647	0,9482
	2100	0,7156	0,7667	0,9006	0,9996	0,5364	0,6114	0,8280	0,9892	0,9829	0,9846	0,9864	0,9949	0,5908	0,6434	0,8136	0,9736
51	300	0,2512	0,3146	0,5801	0,9253	0,2715	0,3281	0,5696	0,9163	0,8398	0,8530	0,9176	0,9892	0,2176	0,2468	0,4201	0,8180
	900	0,2971	0,3661	0,6457	0,9600	0,3296	0,3953	0,6567	0,9600	0,8488	0,8647	0,9327	0,9976	0,2414	0,2754	0,4779	0,8735
	2100	0,3669	0,4373	0,7123	0,9834	0,4123	0,4820	0,7380	0,9875	0,8622	0,8812	0,9482	1,0037	0,2909	0,3286	0,5484	0,9131
52	300	0,3993	0,5561	0,8387	0,9795	0,3097	0,3944	0,6206	0,8921	0,9866	0,9842	0,9861	0,9957	0,3148	0,4122	0,6767	0,9189
	900	0,4306	0,5981	0,8743	0,9913	0,3486	0,4486	0,6820	0,9190	0,9872	0,9857	0,9885	0,9967	0,3241	0,4347	0,7229	0,9417
	2100	0,4941	0,6639	0,9076	1,0028	0,4173	0,5278	0,7370	0,9425	0,9895	0,9856	0,9902	0,9972	0,3556	0,4812	0,7701	0,9613
53	300	0,2849	0,3482	0,5073	0,8069	0,2428	0,2988	0,4739	0,8184	0,8390	0,8368	0,8771	0,9533	0,2298	0,2635	0,3867	0,6857
	900	0,3226	0,3870	0,5597	0,8559	0,2802	0,3374	0,5362	0,8775	0,8311	0,8340	0,8856	0,9670	0,2434	0,2786	0,4228	0,7505
	2100	0,3862	0,4404	0,6251	0,8981	0,3379	0,3876	0,6134	0,9254	0,8386	0,8467	0,9017	0,9791	0,2775	0,3111	0,4796	0,8145
54	300	0,5961	0,6565	0,8445	0,9658	0,6223	0,6739	0,8215	0,9888	0,9789	0,9811	0,9916	0,9968	0,5190	0,5680	0,7610	0,9528
	900	0,7062	0,7564	0,9054	0,9897	0,7408	0,7944	0,9124	1,0208	0,9898	0,9906	0,9957	0,9982	0,6115	0,6707	0,8468	0,9859
	2100	0,8240	0,8570	0,9562	1,0073	0,8712	0,9144	0,9808	1,0424	0,9948	0,9948	0,9974	0,9985	0,7392	0,7958	0,9216	1,0068
55	300	0,4015	0,4281	0,5725	0,8648	0,2058	0,2378	0,4248	0,8229	0,8776	0,8848	0,9211	0,9792	0,2657	0,2813	0,3787	0,6994
	900	0,4264	0,4598	0,6347	0,9260	0,2316	0,2723	0,5048	0,8998	0,8789	0,8876	0,9324	0,9910	0,2695	0,2883	0,4151	0,7872
	2100	0,4587	0,5005	0,7134	0,9773	0,2703	0,3216	0,6040	0,9614	0,8845	0,8948	0,9484	1,0011	0,2768	0,2997	0,4727	0,8690
56	300	0,1937	0,2572	0,4830	0,8125	0,2274	0,2776	0,4837	0,8114	0,9000	0,9164	0,9596	0,9922	0,1679	0,2040	0,3635	0,6883
	900	0,2004	0,2671	0,5090	0,8460	0,2369	0,2910	0,5133	0,8453	0,8986	0,9152	0,9605	0,9953	0,1677	0,2047	0,3743	0,7274
	2100	0,2137	0,2850	0,5464	0,8822	0,2528	0,3128	0,5543	0,8823	0,8992	0,9163	0,9637	0,9987	0,1695	0,2085	0,3939	0,7745
57	300	0,2364	0,3276	0,5978	0,8604	0,1659	0,2367	0,4696	0,8004	0,9752	0,9804	0,9873	0,9954	0,2122	0,2502	0,4139	0,7454
	900	0,2534	0,3542	0,6412	0,8842	0,1856	0,2662	0,5339	0,8438	0,9733	0,9791	0,9882	0,9966	0,2143	0,2570	0,4532	0,7956
	2100	0,2936	0,4075	0,6994	0,9042	0,2259	0,3229	0,6148	0,8788	0,9710	0,9777	0,9897	0,9975	0,2248	0,2798	0,5209	0,8410
58	300	0,8704	0,8818	0,9303	0,9968	0,3564	0,4292	0,6895	0,9026	1,0007	1,0003	1,0000	0,9991	0,5991	0,6231	0,7372	0,9195
	900	0,9132	0,9197	0,9545	1,0076	0,3998	0,4834	0,7713	0,9256	0,9998	1,0000	0,9998	0,9991	0,6188	0,6466	0,7859	0,9411
	2100	0,9782	0,9726	0,9835	1,0249	0,4542	0,5529	0,8433	0,9322	0,9987	0,9998	1,0009	0,9991	0,6596	0,6897	0,8421	0,9553
59	300	0,2796	0,3700	0,6822	0,9113	0,3633	0,4677	0,7466	0,9266	0,9910	0,9939	0,9981	0,9989	0,5350	0,5624	0,7027	0,9124
	900	0,2919	0,3911	0,7078	0,8939	0,3722	0,4856	0,7710	0,9160	0,9915	0,9943	0,9984	0,9990	0,5479	0,5662	0,7213	0,9070
	2100	0,3194	0,4326	0,7455	0,8842	0,3999	0,5306	0,8239	0,9364	0,9922	0,9950	0,9989	0,9991	0,5622	0,5831	0,7574	0,9133

Table A-5.1 (continued)

GROUP	T(K)	FF 0,	FF 10,	FF 100,	FF 1000,	FC 0,	FC 10,	FC 100,	FC 1000,	FE 0,	FE 10,	FE 100,	FE 1000,	FT 0,	FT 10,	FT 100,	FT 1000,
60	300,	0,8076	0,8583	0,9546	0,9995	0,7437	0,8324	0,9570	1,0071	1,0014	0,9990	0,9984	0,9994	0,7650	0,8031	0,9100	0,9901
	900,	0,8359	0,8891	0,9798	1,0158	0,7849	0,8800	1,0027	1,0412	1,0014	0,9993	0,9986	0,9994	0,7754	0,8259	0,9348	1,0053
	2100,	0,8798	0,9319	1,0089	1,0311	0,8471	0,9423	1,0530	1,0720	1,0015	0,9999	0,9989	0,9995	0,8037	0,8661	0,9683	1,0211
61	300,	0,9792	0,9945	1,0028	0,9973	0,9607	0,9715	0,9957	0,9976	0,9985	0,9995	1,0000	0,9998	0,9906	0,9995	1,0013	0,9985
	900,	0,9867	1,0021	1,0117	1,0061	0,9920	1,0091	1,0435	1,0448	0,9984	0,9995	1,0002	0,9998	0,9783	0,9925	1,0037	1,0029
	2100,	1,0053	1,0215	1,0344	1,0291	1,0644	1,1000	1,1666	1,1684	0,9983	0,9993	1,0002	0,9998	0,9678	1,0046	1,0224	1,0229
62	300,	0,9235	0,9414	0,9831	1,0005	0,6185	0,7209	0,9337	1,0096	1,0006	1,0006	1,0001	0,9999	0,7446	0,8249	0,9246	0,9941
	900,	0,9377	0,9563	0,9914	1,0011	0,6654	0,7737	0,9642	1,0075	1,0008	1,0007	1,0001	0,9999	0,8140	0,8456	0,9444	0,9939
	2100,	0,9537	0,9702	0,9960	1,0000	0,7118	0,8133	0,9663	0,9848	1,0009	1,0007	1,0000	0,9999	0,8446	0,8695	0,9561	0,9870
63	300,	0,9739	0,9768	0,9889	0,9959	0,9351	0,9421	0,9722	0,9898	0,9976	0,9979	0,9990	0,9996	0,9678	0,9721	0,9874	0,9960
	900,	0,9816	0,9849	0,9986	0,9998	0,9438	0,9516	0,9840	1,0023	0,9975	0,9978	0,9990	0,9996	0,9649	0,9737	0,9905	0,9998
	2100,	0,9995	1,0039	1,0208	1,0301	0,9579	0,9672	1,0041	1,0246	0,9974	0,9977	0,9990	0,9996	0,9588	0,9815	1,0015	1,0127
64	300,	0,7882	0,7775	0,8224	0,9622	0,8830	0,8880	0,9457	0,9956	0,9829	0,9821	0,9806	0,9930	0,7014	0,7084	0,8005	0,9611
	900,	0,7998	0,7880	0,8256	0,9582	0,8939	0,8975	0,9473	0,9909	0,9826	0,9818	0,9803	0,9929	0,7223	0,7240	0,8077	0,9577
	2100,	0,8145	0,8014	0,8273	0,9491	0,9054	0,9071	0,9442	0,9785	0,9822	0,9814	0,9798	0,9927	0,7568	0,7481	0,8167	0,9501
65	300,	1,0002	0,9997	1,0024	1,0034	1,0015	0,9999	1,0078	1,0109	0,9997	0,9999	0,9993	0,9991	0,9980	0,9977	1,0013	1,0031
	900,	1,0002	0,9997	1,0024	1,0034	1,0015	0,9998	1,0076	1,0109	0,9997	0,9999	0,9994	0,9991	0,9980	0,9977	1,0012	1,0031
	2100,	1,0002	0,9996	1,0023	1,0034	1,0015	0,9997	1,0075	1,0109	0,9997	0,9999	0,9994	0,9991	0,9980	0,9977	1,0012	1,0031
66	300,	0,9928	0,9929	0,9940	0,9954	0,9907	0,9908	0,9923	0,9940	0,9988	0,9988	0,9990	0,9992	0,9913	0,9917	0,9937	0,9957
	900,	0,9928	0,9929	0,9941	0,9954	0,9907	0,9908	0,9923	0,9940	0,9988	0,9988	0,9990	0,9992	0,9913	0,9917	0,9937	0,9957
	2100,	0,9928	0,9929	0,9941	0,9954	0,9907	0,9908	0,9923	0,9940	0,9988	0,9988	0,9990	0,9992	0,9913	0,9917	0,9937	0,9957
67	300,	0,9859	0,9859	0,9864	0,9910	0,9769	0,9769	0,9777	0,9853	0,9987	0,9987	0,9987	0,9992	0,9806	0,9811	0,9841	0,9910
	900,	0,9859	0,9859	0,9864	0,9911	0,9769	0,9769	0,9777	0,9854	0,9987	0,9987	0,9987	0,9992	0,9806	0,9811	0,9841	0,9911
	2100,	0,9859	0,9859	0,9864	0,9911	0,9769	0,9769	0,9777	0,9854	0,9987	0,9987	0,9987	0,9992	0,9806	0,9811	0,9841	0,9911
68	300,	0,9721	0,9720	0,9714	0,9800	0,9425	0,9423	0,9410	0,9585	0,9984	0,9984	0,9983	0,9988	0,9547	0,9557	0,9605	0,9770
	900,	0,9721	0,9720	0,9714	0,9800	0,9425	0,9423	0,9410	0,9586	0,9984	0,9984	0,9983	0,9988	0,9547	0,9557	0,9605	0,9770
	2100,	0,9721	0,9720	0,9714	0,9801	0,9425	0,9423	0,9410	0,9586	0,9984	0,9984	0,9983	0,9988	0,9547	0,9557	0,9605	0,9770
69	300,	0,9826	0,9820	0,9796	0,9781	0,9714	0,9704	0,9663	0,9637	0,9997	0,9997	0,9997	0,9997	0,9707	0,9704	0,9709	0,9750
	900,	0,9826	0,9820	0,9796	0,9782	0,9714	0,9704	0,9663	0,9638	0,9997	0,9997	0,9997	0,9997	0,9707	0,9704	0,9709	0,9750
	2100,	0,9826	0,9820	0,9796	0,9782	0,9714	0,9704	0,9663	0,9638	0,9997	0,9997	0,9997	0,9997	0,9707	0,9704	0,9709	0,9750
70	300,	1,0013	1,0011	1,0013	1,0056	1,0019	1,0016	1,0019	1,0084	0,9999	0,9999	0,9999	0,9995	1,0003	1,0003	1,0007	1,0056
	900,	1,0013	1,0011	1,0013	1,0056	1,0019	1,0016	1,0019	1,0084	0,9999	0,9999	0,9999	0,9995	1,0003	1,0003	1,0007	1,0056
	2100,	1,0013	1,0011	1,0013	1,0056	1,0019	1,0016	1,0019	1,0084	0,9999	0,9999	0,9999	0,9995	1,0003	1,0003	1,0007	1,0055

GROUP	T(K)	FR 0,	FR 10,	FR 100,	FR 1000,	GROUP	T(K)	FR 0,	FR 10,	FR 100,	FR 1000,
26	300,	0,0966	0,6196	0,9434	0,9939	49	300,	0,6235	0,6020	0,5711	0,8616
	900,	0,0963	0,6220	0,9439	0,9940		900,	0,6667	0,6433	0,5982	0,8646
	2100,	0,0964	0,6297	0,9455	0,9941		2100,	0,7695	0,7331	0,6397	0,8709
27	300,	0,8709	0,6183	0,9403	0,9933	50	300,	1,0673	1,1142	1,0576	0,9363
	900,	0,8679	0,6182	0,9406	0,9934		900,	1,1092	1,1481	1,0840	0,9345
	2100,	0,8619	0,6222	0,9416	0,9935		2100,	1,0795	1,1153	1,0894	0,9320
28	300,	0,8243	0,5888	0,9311	0,9922	51	300,	0,3716	0,5297	0,8253	0,8884
	900,	0,8232	0,5869	0,9314	0,9922		900,	0,4065	0,5658	0,8730	0,8936
	2100,	0,8183	0,5871	0,9321	0,9923		2100,	0,5092	0,6682	0,9389	0,8995
29	300,	0,8231	0,5716	0,9153	0,9902	52	300,	3,5701	1,9953	1,1346	0,9295
	900,	0,8248	0,5698	0,9157	0,9903		900,	3,5694	1,9070	1,1514	0,9277
	2100,	0,8255	0,5679	0,9161	0,9904		2100,	2,9794	1,4484	1,1189	0,9214
30	300,	0,7808	0,6134	0,9086	0,9694	53	300,	0,3882	0,5145	0,7642	0,8676
	900,	0,7830	0,6117	0,9088	0,9894		900,	0,4680	0,6132	0,8541	0,8752
	2100,	0,7839	0,6069	0,9092	0,9895		2100,	0,6495	0,7903	0,9627	0,8809
31	300,	0,7636	0,6739	0,9014	0,9884	54	300,	0,7978	0,7956	0,9685	0,9246
	900,	0,7657	0,6732	0,9017	0,9885		900,	0,9460	0,9211	0,9955	0,9235
	2100,	0,7654	0,6678	0,9017	0,9885		2100,	1,0679	1,0201	1,0208	0,9224
32	300,	0,8494	0,7581	0,8904	0,9868	55	300,	0,9320	1,1180	1,1712	0,9348
	900,	0,8520	0,7585	0,8902	0,9869		900,	0,9273	1,1369	1,2130	0,9299
	2100,	0,8510	0,7548	0,8901	0,9869		2100,	1,0224	1,2478	1,2849	0,9260
33	300,	0,9231	0,8563	0,8896	0,9863	56	300,	3,6423	2,5940	1,1973	0,8506
	900,	0,9196	0,8565	0,8898	0,9864		900,	3,7256	2,6661	1,2381	0,8484
	2100,	0,9152	0,8546	0,8903	0,9865		2100,	3,8426	2,7624	1,2811	0,8474
34	300,	0,8715	0,8167	0,8641	0,9829	57	300,	0,4238	0,5723	0,9069	0,8914
	900,	0,8634	0,8120	0,8641	0,9830		900,	0,4398	0,5841	0,9015	0,8865
	2100,	0,8564	0,8087	0,8644	0,9831		2100,	0,4713	0,5984	0,8822	0,8803
35	300,	0,8653	0,8267	0,8411	0,9795	58	300,	0,9490	1,0781	1,1174	0,9563
	900,	0,8724	0,8254	0,8415	0,9797		900,	0,8052	0,9480	1,0898	0,9522
	2100,	0,8751	0,8236	0,8424	0,9800		2100,	0,5836	0,7297	1,0162	0,9419
36	300,	0,8440	0,8504	0,8419	0,9799	59	300,	0,0410	0,1156	0,4807	0,8528
	900,	0,8608	0,8570	0,8403	0,9799		900,	0,0511	0,1407	0,5429	0,8734
	2100,	0,8755	0,8621	0,8390	0,9799		2100,	0,0681	0,1772	0,6133	0,8924
37	300,	1,0292	0,9624	0,8210	0,9753	60	300,	1,5907	1,2680	0,9440	0,9441
	900,	1,0330	0,9613	0,8216	0,9761		900,	1,6263	1,3182	0,9628	0,9451
	2100,	1,0125	0,9431	0,8214	0,9765		2100,	1,6761	1,3858	0,9824	0,9459
38	300,	0,7685	0,8370	0,8195	0,9765	61	300,	0,6529	0,7941	0,9904	0,9624
	900,	0,7990	0,8516	0,8156	0,9763		900,	0,6085	0,7553	0,9818	0,9609
	2100,	0,8111	0,8591	0,8132	0,9761		2100,	0,5222	0,6760	0,9551	0,9571
39	300,	0,7743	0,7947	0,7707	0,9691	62	300,	1,1057	1,0887	0,9656	0,9559
	900,	0,7756	0,7941	0,7662	0,9691		900,	1,1443	1,1227	0,9716	0,9561
	2100,	0,7765	0,7942	0,7635	0,9692		2100,	1,1818	1,1478	0,9734	0,9558
40	300,	0,8052	0,8107	0,7470	0,9654	63	300,	0,6110	0,6452	0,8192	0,9397
	900,	0,8191	0,8179	0,7396	0,9650		900,	0,5976	0,6340	0,8159	0,9389
	2100,	0,8349	0,8219	0,7330	0,9645		2100,	0,5721	0,6117	0,8056	0,9369
41	300,	0,9490	0,9315	0,7432	0,9629	64	300,	0,5316	0,4833	0,3865	0,7850
	900,	0,9845	0,9622	0,7417	0,9634		900,	0,5335	0,4856	0,3896	0,7854
	2100,	1,0098	0,9828	0,7407	0,9638		2100,	0,5318	0,4860	0,3929	0,7858
42	300,	0,5950	0,6850	0,6899	0,9513	65	300,	0,9147	0,9311	0,9098	0,8791
	900,	0,5861	0,6849	0,6902	0,9532		900,	0,9148	0,9314	0,9119	0,8794
	2100,	0,6108	0,7033	0,6914	0,9541		2100,	0,9149	0,9319	0,9138	0,8796
43	300,	0,9306	0,9614	0,7802	0,9645	66	300,	0,7914	0,7930	0,8190	0,8633
	900,	0,8824	0,9424	0,7695	0,9638		900,	0,7914	0,7930	0,8194	0,8636
	2100,	0,8719	0,9408	0,7629	0,9634		2100,	0,7914	0,7930	0,8198	0,8639
44	300,	0,5726	0,6273	0,5326	0,8996	67	300,	0,7476	0,7471	0,7510	0,8318
	900,	0,5380	0,6094	0,5386	0,9092		900,	0,7476	0,7471	0,7511	0,8321
	2100,	0,5002	0,5838	0,5464	0,9147		2100,	0,7476	0,7471	0,7511	0,8324
45	300,	1,1453	1,1824	0,8100	0,9609	68	300,	0,6709	0,6696	0,6596	0,7466
	900,	1,2003	1,2275	0,8145	0,9609		900,	0,6709	0,6696	0,6596	0,7469
	2100,	1,1977	1,2172	0,8141	0,9605		2100,	0,6709	0,6696	0,6596	0,7472
46	300,	0,6547	0,7012	0,7140	0,9326	69	300,	0,7812	0,7794	0,7355	0,6455
	900,	0,6289	0,6807	0,7011	0,9297		900,	0,7812	0,7794	0,7355	0,6457
	2100,	0,6464	0,6823	0,6853	0,9266		2100,	0,7812	0,7794	0,7355	0,6462
47	300,	0,4492	0,6901	0,7691	0,9402	70	300,	0,9241	0,9297	0,9258	0,7091
	900,	0,4988	0,7047	0,7862	0,9408		900,	0,9241	0,9297	0,9258	0,7097
	2100,	0,5745	0,7676	0,8133	0,9425		2100,	0,9241	0,9297	0,9258	0,7104
48	300,	0,3718	0,5506	0,7592	0,9344						
	900,	0,4040	0,5830	0,7826	0,9352						
	2100,	0,4623	0,6416	0,8114	0,9372						

Table A-5.2 SELF-SHIELDING FACTOR TABLES   CODE NO = 928   U-238 .... PAGE 1

GROUP	T(K)	FF1 0.	1.	10.	100.	1000.	FC 0.	1.	10.	100.	1000.	FE 0.	1.	10.	100.	1000.
23	300.	1.0000	1.0000	1.0000	1.0000	1.0000	0.9005	0.9099	0.9455	0.9879	0.9986	0.8827	0.8964	0.9309	0.9823	0.9978
	900.	1.0000	1.0000	1.0000	1.0000	1.0000	0.9424	0.9490	0.9699	0.9935	0.9991	0.9198	0.9305	0.9540	0.9888	0.9986
	2100.	1.0000	1.0000	1.0000	1.0000	1.0000	0.9638	0.9688	0.9822	0.9963	0.9996	0.9407	0.9499	0.9673	0.9927	0.9995
24	300.	0.9484	1.0000	1.0000	1.0000	1.0000	0.8889	0.8986	0.9371	0.9855	0.9983	0.8730	0.8875	0.9227	0.9789	0.9974
	900.	0.9483	1.0000	1.0000	1.0000	1.0000	0.9337	0.9404	0.9645	0.9925	0.9992	0.9104	0.9211	0.9468	0.9866	0.9984
	2100.	0.9482	1.0000	1.0000	1.0000	1.0000	0.9564	0.9616	0.9782	0.9958	0.9999	0.9314	0.9403	0.9606	0.9908	0.9990
25	300.	1.0000	1.0000	1.0000	1.0000	1.0000	0.8599	0.8715	0.9193	0.9808	0.9977	0.8698	0.8820	0.9174	0.9762	0.9969
	900.	1.0000	1.0000	1.0000	1.0000	1.0000	0.9142	0.9215	0.9518	0.9890	0.9986	0.9075	0.9162	0.9420	0.9845	0.9980
	2100.	1.0000	1.0000	1.0000	1.0000	1.0000	0.9445	0.9493	0.9699	0.9935	0.9993	0.9297	0.9375	0.9571	0.9886	0.9980
26	300.	1.0000	1.0000	1.0000	1.0000	1.0000	0.8350	0.8455	0.8980	0.9744	0.9969	0.8524	0.8622	0.9009	0.9700	0.9961
	900.	1.0000	1.0000	1.0000	1.0000	1.0000	0.8936	0.9006	0.9368	0.9854	0.9982	0.8927	0.9004	0.9302	0.9809	0.9975
	2100.	1.0000	1.0000	1.0000	1.0000	1.0000	0.9275	0.9323	0.9581	0.9910	0.9991	0.9203	0.9267	0.9493	0.9868	0.9981
27	300.	1.0000	1.0000	1.0000	1.0000	1.0000	0.8161	0.8261	0.8871	0.9707	0.9963	0.8330	0.8449	0.8847	0.9615	0.9947
	900.	1.0000	1.0000	1.0000	1.0000	1.0000	0.8796	0.8853	0.9280	0.9827	0.9981	0.8747	0.8839	0.9150	0.9745	0.9969
	2100.	1.0000	1.0000	1.0000	1.0000	1.0000	0.9176	0.9209	0.9517	0.9891	0.9991	0.9038	0.9121	0.9373	0.9836	0.9992
28	300.	1.0000	1.0000	1.0000	1.0000	1.0000	0.7607	0.7745	0.8456	0.9566	0.9944	0.8191	0.8298	0.8730	0.9557	0.9937
	900.	1.0000	1.0000	1.0000	1.0000	1.0000	0.8415	0.8498	0.9001	0.9743	0.9969	0.8620	0.8691	0.9051	0.9707	0.9961
	2100.	1.0000	1.0000	1.0000	1.0000	1.0000	0.8935	0.8985	0.9340	0.9842	0.9983	0.8929	0.8979	0.9282	0.9797	0.9973
29	300.	0.0	0.0560	0.0560	0.0560	0.0560	0.7302	0.7605	0.8284	0.9468	0.9927	0.7582	0.8017	0.8435	0.9393	0.9907
	900.	0.0	0.0560	0.0560	0.0560	0.0560	0.8255	0.8357	0.8856	0.9677	0.9957	0.8283	0.8409	0.8776	0.9581	0.9942
	2100.	0.0	0.0560	0.0560	0.0560	0.0560	0.8725	0.8802	0.9181	0.9784	0.9971	0.8588	0.8691	0.9014	0.9680	0.9942
30	300.	0.0	0.0100	0.0100	0.0100	0.0100	0.6252	0.7011	0.7873	0.9307	0.9897	0.6520	0.7659	0.8123	0.9146	0.9845
	900.	0.0	0.0100	0.0100	0.0100	0.0100	0.7682	0.7911	0.8582	0.9587	0.9940	0.7684	0.8031	0.8445	0.9365	0.9898
	2100.	0.0	0.0100	0.0100	0.0100	0.0100	0.8496	0.8541	0.9047	0.9747	0.9965	0.8196	0.8326	0.8701	0.9522	0.9934
31	300.	0.0	0.0100	0.0100	0.0100	0.0100	0.6050	0.6224	0.7051	0.8839	0.9811	0.7019	0.7161	0.7642	0.8875	0.9790
	900.	0.0	0.0100	0.0100	0.0100	0.0100	0.6967	0.7104	0.7815	0.9250	0.9894	0.7477	0.7573	0.8026	0.9172	0.9865
	2100.	0.0	0.0100	0.0100	0.0100	0.0100	0.7676	0.7794	0.8396	0.9515	0.9945	0.7855	0.7944	0.8383	0.9412	0.9930
32	300.	0.0	1.0000	1.0000	1.0000	1.0000	0.5231	0.5047	0.5922	0.8211	0.9697	0.6673	0.6830	0.7323	0.8691	0.9755
	900.	0.0	1.0000	1.0000	1.0000	1.0000	0.6163	0.6043	0.6882	0.8822	0.9825	0.7151	0.7262	0.7747	0.9051	0.9846
	2100.	0.0	1.0000	1.0000	1.0000	1.0000	0.6923	0.6853	0.7619	0.9203	0.9892	0.7532	0.7628	0.8104	0.9293	0.9889
33	300.	0.0	1.0000	1.0000	1.0000	1.0000	0.5346	0.4660	0.5603	0.8070	0.9662	0.6922	0.7025	0.7464	0.8679	0.9729
	900.	0.0	1.0000	1.0000	1.0000	1.0000	0.6310	0.5781	0.6669	0.8735	0.9805	0.7354	0.7427	0.7857	0.9022	0.9829
	2100.	0.0	1.0000	1.0000	1.0000	1.0000	0.7186	0.6791	0.7553	0.9173	0.9881	0.7752	0.7809	0.8223	0.9276	0.9882
34	300.	0.0	1.0000	1.0000	0.9980	0.9990	0.3960	0.3440	0.4281	0.6943	0.9338	0.5025	0.5268	0.5857	0.7465	0.9350
	900.	0.0	1.0000	0.9980	0.9980	0.9990	0.4653	0.4223	0.5128	0.7710	0.9531	0.5467	0.5645	0.6230	0.7931	0.9524
	2100.	0.0	1.0000	0.9980	0.9980	0.9990	0.5405	0.5050	0.5951	0.8299	0.9639	0.5903	0.6063	0.6675	0.8376	0.9666
35	300.	0.0	0.9880	0.9950	0.9970	1.0000	0.3603	0.3328	0.4142	0.6681	0.9168	0.4493	0.4780	0.5395	0.6887	0.9008
	900.	0.0	0.9860	0.9930	0.9970	1.0000	0.4255	0.4060	0.4925	0.7415	0.9417	0.4734	0.4998	0.5644	0.7292	0.9274
	2100.	0.0	0.9840	0.9910	0.9970	1.0000	0.4911	0.4752	0.5621	0.7949	0.9559	0.5120	0.5295	0.5916	0.7640	0.9446
36	300.	0.0	0.9670	1.0000	1.0000	1.0000	0.3422	0.3167	0.3922	0.6449	0.9130	0.6042	0.6054	0.6444	0.7666	0.9344
	900.	0.0	0.9930	1.0000	1.0000	1.0000	0.4032	0.3815	0.4709	0.7335	0.9529	0.6302	0.6316	0.6753	0.8123	0.9615
	2100.	0.0	1.0000	1.0000	1.0000	1.0000	0.4644	0.4458	0.5445	0.8032	0.9787	0.6530	0.6550	0.7034	0.8468	0.9757
37	300.	0.0	0.4800	0.6360	0.9130	0.9930	0.3199	0.3122	0.3865	0.6374	0.9058	0.5781	0.5833	0.6260	0.7442	0.9205
	900.	0.0	0.6480	0.7850	0.9700	1.0000	0.3965	0.3914	0.4722	0.7219	0.9395	0.6079	0.6121	0.6542	0.7854	0.9459
	2100.	0.0	0.7970	0.9000	1.0000	1.0000	0.4784	0.4749	0.5539	0.7876	0.9598	0.6443	0.6473	0.6890	0.8273	0.9666
38	300.	0.0	0.9670	1.0000	1.0000	1.0000	0.1832	0.1872	0.2456	0.4853	0.8416	0.3986	0.3978	0.4430	0.5873	0.8499
	900.	0.0	0.9960	1.0000	1.0000	1.0000	0.2269	0.2317	0.3061	0.5810	0.8941	0.4226	0.4233	0.4720	0.6409	0.8925
	2100.	0.0	1.0000	1.0000	1.0000	1.0000	0.2756	0.2817	0.3696	0.6644	0.9279	0.4448	0.4479	0.5012	0.6883	0.9164
39	300.	0.0	0.7250	0.8510	0.9860	1.0000	0.2191	0.2272	0.2874	0.5343	0.8626	0.6435	0.6424	0.6686	0.7571	0.9136
	900.	0.0	0.8530	0.9420	1.0000	1.0000	0.2753	0.2836	0.3559	0.6268	0.9093	0.6591	0.6593	0.6877	0.7917	0.9403
	2100.	0.0	0.9500	1.0000	1.0000	1.0000	0.3367	0.3448	0.4237	0.7027	0.9384	0.6803	0.6813	0.7119	0.8278	0.9616
40	300.	0.0	1.0000	0.9910	0.9910	0.9970	0.1296	0.1354	0.1840	0.4095	0.8178	0.5591	0.5554	0.5843	0.6958	0.9033
	900.	0.0	0.9900	0.9830	0.9870	0.9970	0.1624	0.1695	0.2371	0.5158	0.8836	0.5797	0.5772	0.6115	0.7475	0.9374
	2100.	0.0	0.9770	0.9740	0.9840	0.9970	0.2048	0.2133	0.3007	0.6137	0.9236	0.5948	0.5937	0.6369	0.7901	0.9524
41	300.	0.0	1.0000	1.0000	1.0000	1.0000	0.2283	0.2377	0.3143	0.6174	0.9198	0.9000	0.9005	0.9079	0.9443	0.9872
	900.	0.0	1.0000	1.0000	1.0000	1.0000	0.3115	0.3223	0.4153	0.7247	0.9525	0.9104	0.9112	0.9191	0.9581	0.9922
	2100.	0.0	1.0000	0.9990	1.0000	1.0000	0.3958	0.4072	0.5101	0.8011	0.9698	0.9223	0.9232	0.9310	0.9707	0.9973
42	300.	0.0	1.0000	1.0000	0.9990	1.0000	0.1101	0.1163	0.1498	0.3244	0.7203	0.5243	0.5246	0.5470	0.6264	0.8262
	900.	0.0	1.0000	1.0000	0.9990	0.9990	0.1281	0.1357	0.1824	0.4085	0.8036	0.5345	0.5357	0.5610	0.6621	0.8743
	2100.	0.0	1.0000	1.0000	0.9990	0.9990	0.1552	0.1640	0.2240	0.4942	0.8621	0.5631	0.5637	0.5930	0.7157	0.9220
43	300.	0.0	1.0000	1.0000	1.0000	1.0000	0.0966	0.1005	0.1301	0.2955	0.7228	0.6241	0.6231	0.6368	0.7113	0.8868
	900.	0.0	1.0000	1.0000	1.0000	1.0000	0.1138	0.1189	0.1638	0.3911	0.8156	0.6409	0.6400	0.6542	0.7499	0.9242
	2100.	0.0	1.0000	0.9990	1.0000	1.0000	0.1394	0.1463	0.2092	0.4909	0.8761	0.6714	0.6710	0.6877	0.8027	0.9615
44	300.	0.0	0.9960	0.9970	0.9990	1.0000	0.0570	0.0677	0.0896	0.1682	0.4489	0.1213	0.1256	0.1538	0.2299	0.4671
	900.	0.0	0.9950	0.9970	0.9990	1.0000	0.0596	0.0698	0.0954	0.2017	0.5400	0.1228	0.1260	0.1595	0.2520	0.5396
	2100.	0.0	0.9950	0.9970	0.9990	1.0000	0.0652	0.0763	0.1094	0.2541	0.6358	0.1268	0.1326	0.1704	0.2884	0.6216
45	300.	0.0	1.0000	1.0000	1.0000	1.0000	0.2058	0.2015	0.2990	0.6373	0.9424	0.9872	0.9833	0.9768	0.9881	0.9978
	900.	0.0	1.0000	1.0000	1.0000	1.0000	0.2688	0.2561	0.3932	0.7506	0.9720	0.9928	0.9876	0.9805	0.9914	0.9985
	2100.	0.0	1.0000	1.0000	1.0000	1.0000	0.3188	0.2967	0.4598	0.8081	0.9640	0.9937	0.9870	0.9797	0.9888	0.9939
46	300.	0.0	1.0000	0.9990	0.9990	1.0000	0.0323	0.0366	0.0533	0.1269	0.3858	0.1353	0.1354	0.1468	0.2077	0.4249
	900.	0.0	1.0000	0.9990	0.9990	0.9990	0.0339	0.0380	0.0576	0.1556	0.4824	0.1387	0.1389	0.1517	0.2290	0.5048
	2100.	0.0	1.0000	0.9980	0.9990	0.9990	0.0365	0.0406	0.0650	0.1976	0.5815	0.1407	0.1415	0.1569	0.2588	0.5890
47	300.	0.0	0.9940	0.9970	0.9990	1.0000	0.1672	0.1687	0.2061	0.4623	0.8590	0.9674	0.9611	0.9330	0.9645	0.9907
	900.	0.0	0.9940	0.9970	0.9990	1.0000	0.1939	0.1973	0.2485	0.5613	0.9084	0.9569	0.9516	0.9295	0.9663	0.9927
	2100.	0.0	0.9940	0.9970	0.9990	1.0000	0.2089	0.2174	0.2901	0.6371	0.9342	0.9063	0.9052	0.8894	0.9299	0.9580
48	300.	0.0	1.0000	1.0000	1.0000	1.0000	0.0267	0.0286	0.0444	0.1109	0.3609	0.2236	0.2072	0.2125	0.2591	0.4665
	900.	0.0	1.0000	1.0000	1.0000	1.0000	0.0280	0.0294	0.0472	0.1380	0.4677	0.2242	0.2077	0.2166	0.2839	0.5556
	2100.	0.0	1.0000	1.0000	1.0000	1.0000	0.0290	0.0303	0.0527	0.1775	0.5751	0.2209	0.2033	0.2177	0.3142	0.6405
49	300.	0.0	0.9980	0.9990	1.0000	1.0000	0.9971	0.9991	0.9973	0.9987	0.9995	1.0120	1.0119	0.9992	0.9995	0.9998
	900.	0.0	0.9980	0.9990	1.0000	1.0000	0.9977	0.9997	0.9979	0.9987	0.9999	1.0120	1.0124	1.0003	0.9992	0.9998
	2100.	0.0	0.9980	0.9990	1.0000	1.0000	1.0036	1.0060	1.0044	1.0042	1.0061	1.0124	0.9843	0.9740	0.9701	0.9713
50	300.	0.0	0.9850	0.9880	0.9930	0.9970	0.0079	0.0092	0.0177	0.0635	0.2250	0.0785	0.0759	0.0855	0.1285	0.2765
	900.	0.0	0.9850	0.9870	0.9930	0.9960	0.0079	0.0093	0.0181	0.0698	0.2846	0.0785	0.0760	0.0863	0.1356	0.3330
	2100.	0.0	0.9840	0.9860	0.9910	0.9960	0.0078	0.0092	0.0189	0.0791	0.3560	0.0772	0.0744	0.0858	0.1444	0.3998
51	300.	0.0	0.9990	1.0000	1.0000	1.0000	0.5162	0.5715	1.0241	1.1226	1.0422	1.0887	1.1268	1.0036	0.9870	0.9958
	900.	0.0	0.9990	1.0000	1.0000	1.0000	0.5201	0.5777	1.0463	1.2181	1.1047	1.0872	1.1300	1.0161	0.9933	1.0033
	2100.	0.0	0.9990	1.0000	1.0000	1.0000	0.5286	0.5918	1.0978	1.5300	1.3336	1.0846	1.1009	1.0275	1.0272	1.0359
52	300.	0.0	0.9920	0.9940	0.9990	1.0000	0.4824	0.4465	0.7216	0.9191	0.9865	0.9052	0.8673	0.9420	0.9831	0.9971
	900.	0.0	0.9910	0.9940	0.9990	1.0000	0.4851	0.4500	0.7372	0.9389	1.0163	0.9025	0.8674	0.9443	0.9846	1.0003
	2100.	0.0	0.9910	0.9940	0.9980	1.0000	0.4898	0.4601	0.7775	1.0100	1.1374	0.8905	0.8451	0.9256	0.9647	0.9874
53	300.	0.0	1.0000	1.0000	1.0000	1.0000	0.0109	0.0128	0.0421	0.1075	0.3013	0.1043	0.0764	0.1028	0.1606	0.3422
	900.	0.0	1.0000	1.0000	1.0000	1.0000	0.0110	0.0129	0.0441	0.1353	0.4037	0.1041	0.0761	0.1033	0.1859	0.4385
	2100.	0.0	1.0000	1.0000	1.0000	1.0000	0.0110	0.0128	0.0482	0.1984	0.5293	0.1012	0.0738	0.1026	0.2399	0.5540
54	300.	0.0	0.9990	1.0000	1.0000	1.0000	0.9856	0.9784	0.9793	1.0014	1.0009	1.0020	1.0044	1.0043	0.9997	0.9998
	900.	0.0	0.9990	1.0000	1.0000	1.0000	0.9861	0.9788	0.9787	1.0029	1.0015	1.0021	1.0044	1.0045	0.9995	0.9998
	2100.	0.0	0.9990	1.0000	1.0000	1.0000	0.9895	0.9822	0.9804	1.0126	1.0054	1.0021	0.9778	0.9782	0.9716	0.9731
55	300.	0.0	0.9980	0.9990	1.0000	1.0000	0.8227	0.8314	0.9445	0.9811	0.9949	0.9977	0.9973	1.0001	0.9997	0.9999
	900.	0.0	0.9980	0.9990	1.0000	1.0000	0.8344	0.8471	0.9610	0.9798	0.9925	0.9976	0.9973	1.0001	0.9996	0.9999
	2100.	0.0	0.9980	0.9990	1.0000	1.0000	0.8346	0.8503	0.9610	0.9502	0.9778	0.9975	0.9720	0.9750	0.9737	0.9746
56	300.	0.0	0.9970	0.9980	0.9980	1.0000	0.8371	0.8318	0.9381	0.9843	0.9958	0.9893	0.9849	0.9946	0.9986	0.9996
	900.	0.0	0.9970	0.9980	1.0000	1.0000	0.8415	0.8357	0.9433	0.9878	1.0012	0.9893	0.9850	0.9948	0.9986	0.9998
	2100.	0.0	0.9970	0.9980	1.0000	1.0000	0.8553	0.8494	0.9602	0.9903	1.0180	0.9888	0.9614	0.9714	0.9737	0.9763
57	300.	0.0	0.9950	0.9960	0.9970	0.9990	0.0245	0.0235	0.0302	0.0877	0.2955	0.3246	0.2932	0.3209	0.3571	0.4856
	900.	0.0	0.9940	0.9950	0.9970	0.9990	0.0253	0.0241	0.0313	0.0987	0.3672	0.3258	0.2943	0.3223	0.3720	0.5479
	2100.	0.0	0.9930	0.9930	0.9960	0.9980	0.0270	0.0256	0.0335	0.1153	0.4522	0.3245	0.2903	0.3179	0.3892	0.6144

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GROUP	T(K)	FFI .	FFI 1.	FFI 10.	FFI 100.	FFI 1000.	FC 0.	FC 1.	FC 10.	FC 100.	FC 1000.	FE 0.	FE 1.	FE 10.	FE 100.	FE 1000.
58	300,	0.0	1.0000	1.0000	1.0000	1.0000	0.8130	0.8094	0.8370	0.9933	0.9956	1.0166	1.0266	1.0227	1.0004	1.0003
	900,	0.0	1.0000	1.0000	1.0000	1.0000	0.8164	0.8127	0.8376	1.0034	1.0021	1.0169	1.0264	1.0230	0.9995	1.0000
	2100,	0.0	1.0000	1.0000	1.0000	1.0000	0.8235	1.1805	1.0747	1.0097	1.0013	1.0179	0.9800	0.9900	0.9986	0.9998
59	300,	0.0	1.0000	1.0000	1.0000	1.0000	0.9971	0.9918	0.9835	1.0016	1.0013	1.0002	1.0008	1.0015	0.9999	0.9999
	900,	0.0	1.0000	1.0000	1.0000	1.0000	0.9981	0.9927	0.9843	1.0040	1.0023	1.0002	1.0007	1.0015	0.9999	0.9998
	2100,	0.0	1.0000	1.0000	1.0000	1.0000	1.0017	0.9951	1.0077	1.0022	1.0007	1.0002	1.0004	0.9993	0.9998	0.9999
60	300,	0.0	1.0000	1.0000	1.0000	1.0000	1.0033	1.0023	0.9985	1.0008	1.0006	0.9998	0.9997	1.0001	0.9999	0.9999
	900,	0.0	1.0000	1.0000	1.0000	1.0000	1.0038	1.0028	0.9989	1.0017	1.0011	0.9998	0.9997	1.0001	0.9999	0.9999
	2100,	0.0	1.0000	1.0000	1.0000	1.0000	1.0075	1.0024	1.0027	1.0010	1.0005	0.9998	0.9996	0.9997	0.9999	1.0000
61	300,	0.0	1.0000	1.0000	1.0000	1.0000	1.0018	1.0017	1.0004	1.0004	1.0003	0.9998	0.9998	0.9999	0.9999	1.0000
	900,	0.0	1.0000	1.0000	1.0000	1.0000	1.0020	1.0020	1.0006	1.0008	1.0005	0.9998	0.9997	0.9999	0.9999	0.9999
	2100,	0.0	1.0000	1.0000	1.0000	1.0000	1.0064	1.0017	1.0013	1.0005	1.0002	0.9998	0.9998	0.9998	0.9999	0.9999
62	300,	0.0	1.0000	1.0000	1.0000	1.0000	1.0003	1.0004	1.0002	1.0001	1.0001	0.9999	0.9998	0.9999	1.0000	1.0000
	900,	0.0	1.0000	1.0000	1.0000	1.0000	1.0004	1.0006	1.0004	1.0003	1.0002	0.9999	0.9998	0.9999	1.0000	1.0000
	2100,	0.0	1.0000	1.0000	1.0000	1.0000	1.0054	1.0004	1.0003	1.0001	1.0001	0.9999	0.9998	0.9999	1.0000	1.0000
63	300,	0.0	1.0000	1.0000	1.0000	1.0000	0.9994	0.9995	0.9997	0.9999	0.9999	0.9999	0.9998	0.9999	1.0000	1.0000
	900,	0.0	1.0000	1.0000	1.0000	1.0000	0.9995	0.9996	0.9996	1.0000	1.0001	0.9999	0.9999	0.9999	1.0000	1.0000
	2100,	0.0	1.0000	1.0000	1.0000	1.0000	1.0049	0.9995	0.9996	0.9999	0.9999	0.9999	0.9999	0.9999	1.0000	1.0000
64	300,	0.0	1.0000	1.0000	1.0000	1.0000	0.9836	0.9775	0.9850	0.9960	0.9988	0.9917	0.9794	0.9862	0.9964	0.9990
	900,	0.0	1.0000	1.0000	1.0000	1.0000	0.9837	0.9777	0.9851	0.9960	0.9989	0.9917	0.9794	0.9862	0.9963	0.9990
	2100,	0.0	1.0000	1.0000	1.0000	1.0000	0.9891	0.9775	0.9845	0.9960	0.9989	0.9915	0.9787	0.9855	0.9963	0.9990
65	300,	0.0	1.0000	1.0000	1.0000	1.0000	0.9978	0.9978	0.9981	0.9994	0.9997	0.9999	0.9999	0.9999	1.0000	1.0000
	900,	0.0	1.0000	1.0000	1.0000	1.0000	0.9978	0.9978	0.9981	0.9994	0.9997	0.9999	0.9999	0.9999	1.0000	1.0000
	2100,	0.0	1.0000	1.0000	1.0000	1.0000	0.9978	0.9976	0.9980	0.9994	0.9997	0.9999	0.9999	0.9999	1.0000	1.0000
66	300,	0.0	0.0	0.0	0.0	0.0	0.9977	0.9977	0.9979	0.9993	0.9996	0.9999	0.9999	0.9999	1.0000	1.0000
	900,	0.0	0.0	0.0	0.0	0.0	0.9977	0.9977	0.9980	0.9993	0.9996	0.9999	0.9999	0.9999	1.0000	1.0000
	2100,	0.0	0.0	0.0	0.0	0.0	0.9977	0.9977	0.9978	0.9993	0.9997	0.9999	0.9999	0.9999	1.0000	1.0000
67	300,	0.0	0.0	0.0	0.0	0.0	0.9976	0.9976	0.9978	0.9993	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000
	900,	0.0	0.0	0.0	0.0	0.0	0.9976	0.9976	0.9978	0.9992	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000
	2100,	0.0	0.0	0.0	0.0	0.0	0.9976	0.9976	0.9977	0.9993	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000
68	300,	0.0	0.0	0.0	0.0	0.0	0.9972	0.9972	0.9973	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000
	900,	0.0	0.0	0.0	0.0	0.0	0.9972	0.9972	0.9973	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000
	2100,	0.0	0.0	0.0	0.0	0.0	0.9972	0.9972	0.9972	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000
69	300,	0.0	0.0	0.0	0.0	0.0	0.9973	0.9970	0.9973	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000
	900,	0.0	0.0	0.0	0.0	0.0	0.9973	0.9970	0.9973	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000
	2100,	0.0	0.0	0.0	0.0	0.0	0.9973	0.9970	0.9972	0.9991	0.9996	1.0000	1.0000	1.0000	1.0000	1.0000
70	300,	0.0	0.0	0.0	0.0	0.0	0.9969	0.9971	0.9968	0.9989	0.9995	1.0000	1.0000	1.0000	1.0000	1.0000
	900,	0.0	0.0	0.0	0.0	0.0	0.9969	0.9971	0.9968	0.9989	0.9995	1.0000	1.0000	1.0000	1.0000	1.0000
	2100,	0.0	0.0	0.0	0.0	0.0	0.9969	0.9971	0.9968	0.9989	0.9995	1.0000	1.0000	1.0000	1.0000	1.0000

GROUP	T(K)	FT 0.	FT 1.	FT 10.	FT 100.	FT 1000.
23	300,	0.7934	0.8207	0.8791	0.9664	0.9958
	900,	0.8591	0.8777	0.9175	0.9786	0.9973
	2100,	0.8942	0.9099	0.9399	0.9855	0.9986
24	300,	0.7762	0.8120	0.8691	0.9605	0.9948
	900,	0.8440	0.8655	0.9071	0.9746	0.9968
	2100,	0.8818	0.8964	0.9295	0.9822	0.9980
25	300,	0.7776	0.8051	0.8620	0.9559	0.9940
	900,	0.8444	0.8593	0.9002	0.9708	0.9962
	2100,	0.8818	0.8938	0.9252	0.9790	0.9968
26	300,	0.7615	0.7794	0.8382	0.9448	0.9922
	900,	0.8232	0.8353	0.8810	0.9641	0.9952
	2100,	0.8661	0.8757	0.9111	0.9751	0.9966
27	300,	0.7339	0.7584	0.8190	0.9311	0.9896
	900,	0.8020	0.8155	0.8611	0.9529	0.9937
	2100,	0.8435	0.8548	0.8926	0.9678	0.9971
28	300,	0.7098	0.7404	0.8035	0.9209	0.9877
	900,	0.7833	0.7963	0.8465	0.9458	0.9923
	2100,	0.8297	0.8376	0.8796	0.9617	0.9948
29	300,	0.2586	0.7117	0.7690	0.8956	0.9820
	900,	0.7406	0.7649	0.8114	0.9251	0.9886
	2100,	0.7864	0.8013	0.8431	0.9430	0.9904
30	300,	0.0646	0.6607	0.7354	0.8625	0.9707
	900,	0.4586	0.7146	0.7748	0.8937	0.9804
	2100,	0.7275	0.7578	0.8069	0.9167	0.9866
31	300,	0.5708	0.6143	0.6777	0.8187	0.9598
	900,	0.6518	0.6679	0.7190	0.8599	0.9737
	2100,	0.6982	0.7096	0.7583	0.8944	0.9841
32	300,	0.5354	0.5757	0.6362	0.7876	0.9528
	900,	0.6057	0.6241	0.6776	0.8376	0.9701
	2100,	0.6498	0.6624	0.7157	0.8750	0.9791
33	300,	0.5821	0.6002	0.6540	0.7886	0.9477
	900,	0.6387	0.6471	0.6939	0.8349	0.9661
	2100,	0.6837	0.6888	0.7345	0.8728	0.9768
34	300,	0.3327	0.4032	0.4802	0.6308	0.8800
	900,	0.4035	0.4413	0.5096	0.6814	0.9125
	2100,	0.4557	0.4794	0.5459	0.7351	0.9374
35	300,	0.2580	0.3531	0.4383	0.5771	0.8264
	900,	0.2963	0.3740	0.4566	0.6134	0.8674
	2100,	0.3594	0.4100	0.4825	0.6482	0.8961
36	300,	0.5039	0.5024	0.5522	0.6629	0.8779
	900,	0.5380	0.5345	0.5760	0.7074	0.9203
	2100,	0.5624	0.5590	0.5977	0.7487	0.9460
37	300,	0.4541	0.4609	0.5238	0.6388	0.8564
	900,	0.4943	0.4971	0.5490	0.6801	0.8980
	2100,	0.5364	0.5367	0.5813	0.7260	0.9306
38	300,	0.3058	0.2957	0.3421	0.4513	0.7415
	900,	0.3256	0.3189	0.3595	0.4947	0.8056
	2100,	0.3431	0.3398	0.3762	0.5395	0.8487
39	300,	0.5278	0.5228	0.5570	0.6405	0.8388
	900,	0.5460	0.5429	0.5739	0.6761	0.8829
	2100,	0.5686	0.5662	0.5960	0.7161	0.9173

GROUP	T(K)	FT 0.	FT 1.	FT 10.	FT 100.	FT 1000.
40	300,	0.4387	0.4325	0.4552	0.5356	0.8009
	900,	0.4555	0.4499	0.4699	0.5801	0.8633
	2100,	0.4653	0.4608	0.4832	0.6269	0.8999
41	300,	0.7446	0.7445	0.7569	0.8284	0.9528
	900,	0.7585	0.7591	0.7752	0.8634	0.9705
	2100,	0.7750	0.7760	0.7965	0.8945	0.9824
42	300,	0.4020	0.4001	0.4266	0.4852	0.6896
	900,	0.4126	0.4109	0.4336	0.5081	0.7571
	2100,	0.4402	0.4365	0.4552	0.5499	0.8237
43	300,	0.4540	0.4525	0.4654	0.5164	0.7382
	900,	0.4655	0.4640	0.4737	0.5453	0.8102
	2100,	0.4886	0.4852	0.4943	0.5937	0.8724
44	300,	0.0741	0.0710	0.0931	0.1381	0.2805
	900,	0.0738	0.0711	0.0936	0.1415	0.5306
	2100,	0.0761	0.0721	0.0960	0.1525	0.3992
45	300,	0.8098	0.8044	0.8092	0.8742	0.9720
	900,	0.8196	0.8132	0.8227	0.9033	0.9839
	2100,	0.8282	0.8202	0.8329	0.9194	0.9818
46	300,	0.0869	0.0844	0.0911	0.1185	0.2377
	900,	0.0876	0.0852	0.0915	0.1215	0.2915
	2100,	0.0876	0.0859	0.0916	0.1286	0.3615
47	300,	0.6331	0.6110	0.6172	0.7017	0.8970
	900,	0.6288	0.6073	0.6199	0.7337	0.9301
	2100,	0.5970	0.5819	0.6017	0.7415	0.9264
48	300,	0.1194	0.1072	0.1118	0.1326	0.2395
	900,	0.1185	0.1063	0.1113	0.1351	0.2990
	2100,	0.1150	0.1029	0.1087	0.1400	0.3740
49	300,	1.0068	1.0052	0.9954	0.9988	0.9998
	900,	1.0068	1.0056	0.9965	0.9985	0.9998
	2100,	1.0069	0.9780	0.9707	0.9698	0.9717
50	300,	0.0426	0.0402	0.0431	0.0600	0.1223
	900,	0.0426	0.0401	0.0430	0.0586	0.1376
	2100,	0.0417	0.0391	0.0418	0.0562	0.1650
51	300,	0.9785	0.9815	0.9631	1.0087	1.0066
	900,	0.9742	0.9829	0.9702	1.0330	1.0282
	2100,	0.9599	0.9608	0.9600	1.0090	1.1072
52	300,	0.8177	0.7456	0.8520	0.9497	0.9921
	900,	0.8121	0.7455	0.8541	0.9524	0.9990
	2100,	0.7869	0.7268	0.8381	0.9571	1.0046
53	300,	0.0312	0.0230	0.0286	0.0515	0.1326
	900,	0.0311	0.0229	0.0278	0.0516	0.1719
	2100,	0.0302	0.0222	0.0260	0.0563	0.2387
54	300,	1.0010	1.0024	1.0028	0.9997	0.9998
	900,	1.0010	1.0024	1.0029	0.9995	0.9998
	2100,	1.0010	0.9771	0.9779	0.9734	0.9746
55	300,	0.9857	0.9819	0.9927	0.9977	0.9994
	900,	0.9869	0.9836	0.9945	0.9977	0.9993
	2100,	0.9877	0.9607	0.9715	0.9718	0.9748
56	300,	0.9822	0.9787	0.9915	0.9963	0.9994
	900,	0.9697	0.9602	0.9828	0.9961	0.9998
	2100,	0.9685	0.9607	0.9638	0.9742	0.9807

GROUP	T(K)	F.I. 0.	F.I. 1.	F.I. 10.	F.I. 100.	F.I. 1000.
57	300,	0.0378	0.0336	0.0374	0.0588	0.1476
	900,	0.0378	0.0336	0.0372	0.0581	0.1793
	2100,	0.0373	0.0331	0.0365	0.0586	0.2339
58	300,	0.9624	0.9517	0.9604	0.9969	0.9987
	900,	0.9615	0.9524	0.9607	0.9993	1.0004
	2100,	0.9585	1.0182	1.0068	1.0004	1.0001
59	300,	1.0000	0.9998	0.9997	1.0000	1.0001
	900,	0.9999	0.9999	0.9997	1.0001	1.0001
	2100,	0.9999	0.9999	1.0002	1.0000	1.0000
60	300,	0.9999	0.9999	1.0000	1.0000	1.0000
	900,	0.9999	0.9999	1.0000	1.0000	1.0000
	2100,	0.9999	0.9999	0.9999	1.0000	1.0000
61	300,	0.9999	0.9999	1.0000	1.0000	1.0000
	900,	0.9999	0.9999	1.0000	1.0000	1.0000
	2100,	0.9999	0.9999	0.9999	1.0000	1.0000
62	300,	0.9999	0.9998	0.9999	1.0000	1.0000
	900,	0.9999	0.9998	0.9999	1.0000	1.0000
	2100,	0.9999	0.9998	0.9999	1.0000	1.0000
63	300,	0.9999	0.9998	0.9999	1.0000	1.0000
	900,	0.9999	0.9998	0.9999	1.0000	1.0000
	2100,	0.9999	0.9998	0.9999	1.0000	1.0000
64	300,	0.9872	0.9708	0.9782	0.9938	0.9986
	900,	0.9872	0.9708	0.9782	0.9937	0.9987
	2100,	0.9869	0.9700	0.9774	0.9936	0.9988
65	300,	0.9998	0.9998	0.9998	0.9999	1.0000
	900,	0.9998	0.9998	0.9998	0.9999	1.0000
	2100,	0.9998	0.9998	0.9998	0.9999	1.0000
66	300,	0.9998	0.9998	0.9998	0.9999	1.0000
	900,	0.9998	0.9998	0.9998	0.9999	1.0000
	2100,	0.9998	0.9998	0.9998	0.9999	1.0000
67	300,	0.9998	0.9998	0.9998	0.9999	1.0000
	900,	0.9998	0.9998	0.9998	0.9999	1.0000
	2100,	0.9998	0.9998	0.9998	0.9999	1.0000
68	300,	0.9997	0.9997	0.9998	0.9999	1.0000
	900,	0.9997	0.9997	0.9998	0.9999	1.0000
	2100,	0.9997	0.9997	0.9998	0.9999	1.0000
69	300,	0.9997	0.9997	0.9997	0.9999	1.0000
	900,	0.9997	0.9997	0.9997	0.9999	1.0000
	2100,	0.9997	0.9997	0.9997	0.9999	1.0000
70	300,	0.9997	0.9997	0.9997	0.9999	1.0000
	900,	0.9997	0.9997	0.9997	0.9999	1.0000
	2100,	0.9997	0.9997	0.9997	0.9999	1.0000

Table A-5.2 (continued)

GROUP	T(K)	FR 0,	1,	10,	100,	1000,
23	300.	0,6109	0,7421	0,9088	0,9836	0,9980
	900.	0,6350	0,7657	0,9289	0,9889	0,9983
	2100.	0,6509	0,7782	0,9379	0,9912	0,9984
24	300.	0,4914	0,5889	0,7586	0,9345	0,9915
	900.	0,5105	0,6077	0,7830	0,9479	0,9934
	2100.	0,5168	0,6196	0,8022	0,9651	1,0052
25	300.	0,5986	0,6611	0,8485	0,9671	0,9957
	900.	0,6197	0,6773	0,8661	0,9736	0,9944
	2100.	0,6281	0,6889	0,8801	0,9813	0,9980
26	300.	0,6426	0,6448	0,8039	0,9519	0,9936
	900.	0,6707	0,6664	0,8215	0,9562	0,9882
	2100.	0,6872	0,6817	0,8345	0,9612	0,9876
27	300.	0,6434	0,6205	0,7798	0,9387	0,9914
	900.	0,6727	0,6407	0,8023	0,9513	0,9934
	2100.	0,6790	0,6578	0,8262	0,9716	1,0085
28	300.	0,6224	0,5516	0,7736	0,9520	0,9940
	900.	0,6467	0,5734	0,8054	0,9674	0,9951
	2100.	0,6688	0,5905	0,8242	0,9700	0,9903
29	300.	0,8008	0,7871	0,9133	0,9921	0,9988
	900.	0,8685	0,8221	0,9434	1,0006	1,0003
	2100.	0,9237	0,8444	0,9455	0,9743	0,9690
30	300.	0,6837	0,7128	0,8967	0,9955	0,9996
	900.	0,7889	0,7360	0,9115	1,0013	1,0014
	2100.	0,7535		0,9203	1,0030	1,0003
31	300.	0,4077	0,3894	0,4454	0,7042	0,9396
	900.	0,4278	0,4183	0,4870	0,7643	0,9592
	2100.	0,4511	0,4420	0,5232	0,8021	0,9579
32	300.	0,5226	0,5818	0,5781	0,7674	0,9502
	900.	0,5622	0,6162	0,6079	0,8141	0,9665
	2100.	0,5892	0,6472	0,6371	0,8561	0,9834
33	300.	0,8692	0,8972	0,8966	0,9809	0,9963
	900.	0,9159	0,9302	0,9028	0,9819	0,9967
	2100.	0,9481	0,9692	0,9223	0,9969	1,0119
34	300.	0,3169	0,3321	0,3593	0,6072	0,9089
	900.	0,3496	0,3632	0,3812	0,6404	0,8727
	2100.	0,3855	0,3932	0,4079	0,6628	0,8288
35	300.	0,2503	0,2667	0,3382	0,5942	0,9011
	900.	0,2597	0,2795	0,3489	0,6143	0,8589
	2100.	0,2841	0,2943	0,3649	0,6256	0,8099
36	300.	0,8716	0,8358	0,8818	0,9763	0,9950
	900.	0,9088	0,8656	0,8742	0,9753	0,9951
	2100.	0,9308	0,9033	0,8795	0,9921	1,0141
37	300.	0,5854	0,5903	0,7840	0,9610	0,9932
	900.	0,6118	0,6095	0,7770	0,9606	0,9944
	2100.	0,6529	0,6331	0,7652	0,9546	0,9901
38	300.	0,8809	0,6275	0,8650	0,9758	0,9951
	900.	0,8983	0,8473	0,8502	0,9736	0,9951
	2100.	0,9048	0,8735	0,8471	0,9842	1,0078
39	300.	0,7652	0,7364	0,8406	0,9690	0,9938
	900.	0,7770	0,7578	0,8362	0,9697	0,9965
	2100.	0,7719	0,7768	0,8331	0,9756	1,0056
40	300.	0,9319	0,9100	0,9130	0,9870	0,9967
	900.	0,9568	0,9320	0,9037	0,9863	0,9972
	2100.	0,9897	0,9534	0,8880	0,9796	0,9922
41	300.	0,9511	0,7331	0,9021	0,9746	0,9935
	900.	1,0106	0,9722	0,8882	0,9710	0,9935
	2100.	1,0629	1,0390	0,9039	1,0033	1,0297
42	300.	0,7750	0,8165	0,8862	0,9764	0,9937
	900.	0,7420	0,8127	0,8833	0,9748	0,9941
	2100.	0,7064	0,8164	0,8961	0,9923	1,0143
43	300.	0,8444	0,8391	0,8606	0,9660	0,9902
	900.	0,9204	0,8988	0,8623	0,9620	0,9900
	2100.	1,0134	0,9768	0,8699	0,9632	0,9960
44	300.	1,0997	0,9738	0,9266	0,9833	0,9905
	900.	0,9690	0,9196	0,9359	0,9877	0,9973
	2100.	0,8491	0,8571	0,9190	1,0105	1,0387
45	300.	1,1381	1,0954	0,9447	0,9837	0,9936
	900.	1,2195	1,1407	0,9545	0,9839	0,9936
	2100.	1,3168	1,1848	0,9637	0,9767	0,9866
46	300.	0,6209	0,7827	1,0576	1,2445	1,1301
	900.	0,6190	0,9400	1,2844	1,6551	1,5035
	2100.	0,3295	1,2712	2,0100	3,8276	4,3967
47	300.	0,6551	0,8364	0,8515	0,9567	0,9887
	900.	0,5164	0,7413	0,8335	0,9429	0,9873
	2100.	0,4402	0,6598	0,7985	0,8906	0,9504
48	300.	0,9463	0,9181	0,7210	0,8968	0,9636
	900.	1,0545	0,9760	0,7169	0,8663	0,9533
	2100.	1,1370	0,9910	0,6910	0,7887	0,9098
49	300.	1,1651	1,1582	0,9696	0,9850	0,9952
	900.	1,1653	1,1647	0,9871	0,9790	0,9947
	2100.	1,1630	1,1409	0,9957	0,9370	0,9659
50	300.	0,0523	0,0709	0,0816	0,3971	0,8713
	900.	0,0325	0,0835	0,1003	0,5759	1,7876
	2100.	0,0118	0,1137	0,1328	0,9257	3,6413
51	300.	1,5159	1,5165	1,0863	0,9661	0,9880
	900.	1,5174	1,5191	1,1153	0,9527	0,9848
	2100.	1,5206	1,4846	1,1360	0,8892	0,9502
52	300.	0,1375	0,1289	0,4368	0,8252	0,9724
	900.	0,1309	0,1244	0,4383	0,8306	0,9934
	2100.	0,1069	0,1009	0,4183	0,8299	1,0609
53	300.	2,2006	2,1264	1,4613	1,0063	1,0024
	900.	2,2161	2,1458	1,5252	1,0073	1,0067
	2100.	2,2505	2,1241	1,6037	0,9458	0,9824
54	300.	1,0612	1,1258	1,1546	0,9868	0,9917
	900.	1,0615	1,1263	1,1603	0,9795	0,9916
	2100.	1,0621	1,0994	1,1477	0,9071	0,9646
55	300.	0,5630	0,6276	0,9526	0,9764	0,9902
	900.	0,5519	0,6124	0,9424	0,9677	0,9898
	2100.	0,5521	0,5975	0,9199	0,8994	0,9641
56	300.	0,4532	0,4566	0,7674	0,9455	0,9869
	900.	0,4520	0,4548	0,7674	0,9410	0,9875
	2100.	0,4448	0,4381	0,7501	0,8817	0,9656
57	300.	0,9278	0,7284	0,2426	0,3445	0,7186
	900.	0,9364	0,7313	0,2364	0,2674	0,6532
	2100.	0,9623	0,7202	0,2241	0,1149	0,5743
58	300.	1,4951	1,5262	1,4658	0,9851	0,9921
	900.	1,4987	1,5298	1,4787	0,9708	0,9927
	2100.	1,5076	0,9371	0,8435	0,9743	0,9959
59	300.	0,9962	1,0423	1,1303	0,9851	0,9874
	900.	0,9965	1,0426	1,1321	0,9735	0,9877
	2100.	0,9979	1,0251	0,9351	0,9800	0,9926
60	300.	0,9166	0,9380	1,0225	0,9812	0,9853
	900.	0,9167	0,9380	1,0231	0,9724	0,9855
	2100.	0,9171	0,9377	0,9380	0,9774	0,9893
61	300.	0,8923	0,9018	0,9721	0,9767	0,9835
	900.	0,8923	0,9018	0,9724	0,9699	0,9837
	2100.	0,8924	0,9020	0,9272	0,9738	0,9866
62	300.	0,8815	0,8857	0,9423	0,9726	0,9820
	900.	0,8815	0,8857	0,9425	0,9672	0,9821
	2100.	0,8815	0,8857	0,9154	0,9704	0,9844
63	300.	0,8808	0,8819	0,9257	0,9704	0,9816
	900.	0,8808	0,8819	0,9258	0,9663	0,9817
	2100.	0,8807	0,8818	0,9087	0,9688	0,9834
64	300.	0,6442	0,5281	0,6905	0,9199	0,9752
	900.	0,6442	0,5281	0,6906	0,9167	0,9753
	2100.	0,6396	0,5231	0,6794	0,9185	0,9767
65	300.	0,8556	0,8574	0,8797	0,9600	0,9786
	900.	0,8556	0,8574	0,8797	0,9572	0,9787
	2100.	0,8571	0,8571	0,8690	0,9587	0,9798
66	300.	0,8639	0,8631	0,8773	0,9587	0,9781
	900.	0,8639	0,8631	0,8773	0,9563	0,9781
	2100.	0,8639	0,8630	0,8691	0,9576	0,9790
67	300.	0,8668	0,8664	0,8753	0,9579	0,9784
	900.	0,8668	0,8664	0,8753	0,9560	0,9784
	2100.	0,8668	0,8664	0,8693	0,9570	0,9791
68	300.	0,8592	0,8586	0,8638	0,9537	0,9769
	900.	0,8592	0,8586	0,8638	0,9520	0,9770
	2100.	0,8592	0,8586	0,8590	0,9529	0,9776
69	300.	0,8624	0,8563	0,8633	0,9531	0,9774
	900.	0,8624	0,8563	0,8633	0,9518	0,9774
	2100.	0,8624	0,8563	0,8597	0,9525	0,9779
70	300.	0,8547	0,8596	0,8522	0,9486	0,9760
	900.	0,8547	0,8596	0,8522	0,9474	0,9760
	2100.	0,8547	0,8596	0,8494	0,9481	0,9764

Table A-5.3 SELF-SHIELDING FACTOR TABLES CODE NO = 949

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GROUP	T(K)	FF				FC				FE				FT			
		0,	10,	100,	1000,	0,	10,	100,	1000,	0,	10,	100,	1000,	0,	10,	100,	1000,
26	300,	0,9880	0,9732	0,9938	0,9993	0,9244	0,9563	0,9904	0,9989	0,9709	0,9809	0,9955	0,9995	0,9409	0,9600	0,9902	0,9988
	900,	1,0049	0,9823	0,9959	0,9995	0,9478	0,9714	0,9941	0,9993	0,9814	0,9876	0,9972	0,9997	0,9616	0,9733	0,9938	0,9993
	2100,	1,0141	0,9875	0,9971	0,9997	0,9599	0,9789	0,9958	0,9995	0,9879	0,9915	0,9981	0,9998	0,9746	0,9811	0,9958	0,9995
27	300,	0,9446	0,9638	0,9923	0,9991	0,9123	0,9434	0,9873	0,9985	0,9657	0,9792	0,9949	0,9994	0,9272	0,9534	0,9884	0,9986
	900,	0,9635	0,9752	0,9950	0,9994	0,9440	0,9632	0,9921	0,9991	0,9784	0,9875	0,9970	0,9997	0,9523	0,9702	0,9929	0,9992
	2100,	0,9740	0,9813	0,9963	0,9996	0,9615	0,9740	0,9946	0,9994	0,9858	0,9923	0,9981	0,9998	0,9672	0,9800	0,9954	0,9994
28	300,	0,9267	0,9560	0,9900	0,9988	0,8911	0,9282	0,9833	0,9980	0,9561	0,9737	0,9932	0,9992	0,9072	0,9398	0,9842	0,9981
	900,	0,9525	0,9727	0,9940	0,9993	0,9295	0,9531	0,9897	0,9988	0,9711	0,9844	0,9960	0,9995	0,9364	0,9611	0,9904	0,9989
	2100,	0,9674	0,9821	0,9962	0,9996	0,9512	0,9667	0,9929	0,9992	0,9804	0,9906	0,9975	0,9997	0,9552	0,9740	0,9937	0,9993
29	300,	0,8961	0,9275	0,9827	0,9980	0,8688	0,9089	0,9777	0,9973	0,9439	0,9635	0,9897	0,9987	0,8818	0,9188	0,9766	0,9970
	900,	0,9314	0,9448	0,9876	0,9986	0,9158	0,9401	0,9865	0,9984	0,9625	0,9768	0,9939	0,9993	0,9164	0,9437	0,9853	0,9982
	2100,	0,9513	0,9543	0,9901	0,9989	0,9403	0,9558	0,9906	0,9989	0,9735	0,9844	0,9960	0,9995	0,9381	0,9585	0,9898	0,9988
30	300,	0,8662	0,9136	0,9776	0,9973	0,8152	0,8700	0,9658	0,9958	0,9155	0,9420	0,9824	0,9977	0,8323	0,8806	0,9622	0,9950
	900,	0,9073	0,9384	0,9851	0,9982	0,8787	0,9138	0,9788	0,9975	0,9401	0,9607	0,9888	0,9986	0,8769	0,9152	0,9754	0,9969
	2100,	0,9323	0,9543	0,9895	0,9988	0,9145	0,9377	0,9853	0,9983	0,9558	0,9722	0,9923	0,9991	0,9065	0,9374	0,9827	0,9979
31	300,	0,8366	0,8734	0,9685	0,9962	0,8029	0,8701	0,9645	0,9956	0,9218	0,9468	0,9840	0,9980	0,8277	0,8760	0,9614	0,9949
	900,	0,8842	0,9080	0,9850	1,0055	0,8708	0,9186	0,9799	0,9985	0,9446	0,9642	0,9900	0,9986	0,8733	0,9122	0,9762	0,9980
	2100,	0,9135	0,9283	0,9932	1,0095	0,9088	0,9445	0,9873	0,9999	0,9594	0,9749	0,9934	0,9992	0,9043	0,9351	0,9841	0,9997
32	300,	0,8177	0,8682	0,9657	0,9958	0,7415	0,8132	0,9459	0,9931	0,9078	0,9330	0,9789	0,9972	0,8008	0,8493	0,9497	0,9932
	900,	0,8709	0,9083	0,9833	1,0051	0,8262	0,8767	0,9668	0,9960	0,9347	0,9547	0,9870	0,9983	0,8508	0,8920	0,9687	0,9969
	2100,	0,9040	0,9322	0,9928	1,0098	0,8776	0,9131	0,9773	0,9974	0,9535	0,9691	0,9917	0,9991	0,8873	0,9212	0,9794	0,9990
33	300,	0,7868	0,8506	0,9567	0,9945	0,7157	0,8028	0,9419	0,9926	0,9053	0,9320	0,9782	0,9971	0,7757	0,8315	0,9419	0,9920
	900,	0,8455	0,8961	0,9788	1,0060	0,8091	0,8744	0,9675	0,9969	0,9321	0,9541	0,9873	0,9988	0,8293	0,8786	0,9645	0,9973
	2100,	0,8874	0,9263	0,9910	1,0114	0,8664	0,9155	0,9802	0,9989	0,9506	0,9686	0,9922	0,9995	0,8704	0,9117	0,9772	0,9997
34	300,	0,6873	0,7708	0,9243	0,9899	0,6392	0,7410	0,9163	0,9885	0,8726	0,9038	0,9654	0,9950	0,6999	0,7634	0,9074	0,9861
	900,	0,7459	0,8208	0,9478	0,9984	0,7357	0,8210	0,9475	0,9931	0,8981	0,9271	0,9769	0,9972	0,7487	0,8114	0,9352	0,9922
	2100,	0,7868	0,8546	0,9618	1,0025	0,7947	0,8673	0,9628	0,9949	0,9172	0,9435	0,9837	0,9985	0,7867	0,8460	0,9517	0,9953
35	300,	0,7125	0,7952	0,9375	0,9918	0,5868	0,6919	0,8925	0,9853	0,8887	0,9139	0,9689	0,9956	0,7046	0,7657	0,9095	0,9867
	900,	0,7870	0,8543	0,9629	1,0002	0,7046	0,7869	0,9293	0,9908	0,9161	0,9371	0,9791	0,9976	0,7661	0,8230	0,9397	0,9928
	2100,	0,8417	0,8941	0,9776	1,0044	0,7815	0,8450	0,9503	0,9951	0,9358	0,9528	0,9856	0,9993	0,8162	0,8648	0,9580	0,9966
36	300,	0,6533	0,7481	0,9171	0,9889	0,4908	0,5928	0,8385	0,9754	0,8010	0,8348	0,9270	0,9878	0,5902	0,6563	0,8408	0,9721
	900,	0,7408	0,8214	0,9526	1,0012	0,6189	0,7082	0,9015	0,9896	0,8443	0,8754	0,9521	0,9934	0,6571	0,7270	0,8942	0,9361
	2100,	0,8083	0,8721	0,9720	1,0068	0,7100	0,7813	0,9327	0,9951	0,8769	0,9033	0,9657	0,9956	0,7184	0,7835	0,9249	0,9924
37	300,	0,6725	0,7454	0,8963	0,9836	0,4429	0,5459	0,8034	0,9671	0,7950	0,8267	0,9144	0,9845	0,5999	0,6533	0,8124	0,9626
	900,	0,7345	0,8004	0,9286	0,9959	0,5542	0,6574	0,8726	0,9791	0,8246	0,8588	0,9393	0,9883	0,6448	0,7038	0,8635	0,9766
	2100,	0,7829	0,8412	0,9472	1,0015	0,6409	0,7404	0,9118	0,9844	0,8519	0,8870	0,9560	0,9912	0,6863	0,7500	0,8981	0,9840
38	300,	0,4417	0,6541	0,8710	0,9795	0,5166	0,5932	0,8280	0,9723	0,8305	0,8620	0,9336	0,9881	0,5695	0,6324	0,8141	0,9646
	900,	0,4994	0,7342	0,9184	0,9924	0,6773	0,7388	0,9027	0,9846	0,8642	0,9064	0,9604	0,9938	0,6523	0,7190	0,8791	0,9809
	2100,	0,5346	0,7975	0,9477	0,9982	0,7808	0,8461	0,9458	0,9896	0,8873	0,9405	0,9755	0,9954	0,7213	0,7994	0,9220	0,9882
39	300,	0,4530	0,4976	0,7923	0,9650	0,3570	0,4267	0,7247	0,9491	0,7878	0,8071	0,8984	0,9802	0,4937	0,5346	0,7336	0,9422
	900,	0,5245	0,5439	0,8385	0,9833	0,4595	0,5210	0,8093	0,9731	0,8164	0,8345	0,9278	0,9904	0,5395	0,5795	0,7952	0,9672
	2100,	0,5923	0,5848	0,8687	0,9922	0,5481	0,5924	0,8594	0,9847	0,8424	0,8566	0,9468	0,9962	0,5897	0,6235	0,8394	0,9802
40	300,	0,4604	0,5231	0,7903	0,9585	0,3777	0,5355	0,7870	0,9579	0,7719	0,8208	0,8955	0,9764	0,4462	0,5045	0,7155	0,9300
	900,	0,5289	0,5899	0,8453	0,9837	0,4859	0,6569	0,8778	0,9763	0,7967	0,8531	0,9268	0,9828	0,4898	0,5601	0,7797	0,9566
	2100,	0,5776	0,6395	0,8823	0,9961	0,5733	0,7453	0,9367	0,9860	0,8197	0,8795	0,9505	0,9865	0,5286	0,6072	0,8288	0,9714
41	300,	0,5577	0,6450	0,8407	0,9718	0,4547	0,5477	0,8051	0,9655	0,9287	0,9396	0,9733	0,9950	0,6083	0,6670	0,8234	0,9632
	900,	0,6355	0,7138	0,8882	0,9855	0,5640	0,6535	0,8779	0,9811	0,9406	0,9506	0,9825	0,9979	0,6580	0,7183	0,8703	0,9785
	2100,	0,6993	0,7668	0,9190	0,9926	0,6531	0,7341	0,9229	0,9888	0,9516	0,9603	0,9889	0,9995	0,7075	0,7646	0,9036	0,9867
42	300,	0,5031	0,5690	0,7530	0,9478	0,2701	0,3429	0,6114	0,9105	0,7480	0,7715	0,8567	0,9655	0,4150	0,4570	0,6204	0,8938
	900,	0,6044	0,6677	0,8339	0,9787	0,3769	0,4634	0,7289	0,9485	0,7920	0,8164	0,9011	0,9852	0,4675	0,5207	0,7143	0,9415
	2100,	0,7021	0,7554	0,8897	0,9953	0,4841	0,5739	0,8107	0,9689	0,8334	0,8574	0,9336	0,9965	0,5310	0,5924	0,7916	0,9686
43	300,	0,4718	0,5956	0,8604	0,9629	0,2591	0,3316	0,5711	0,8927	0,6798	0,7072	0,8119	0,9467	0,3360	0,3962	0,5949	0,8691
	900,	0,5608	0,6768	0,9421	0,9912	0,3687	0,4542	0,6916	0,9378	0,7126	0,7462	0,8640	0,9669	0,3774	0,4543	0,6882	0,9223
	2100,	0,6604	0,7595	1,0085	1,0080	0,5044	0,5873	0,7892	0,9637	0,7515	0,7883	0,9088	0,9780	0,4473	0,5368	0,7782	0,9552
44	300,	0,3415	0,4150	0,6728	0,9261	0,3097	0,3909	0,6722	0,9354	0,8713	0,8777	0,9265	0,9834	0,4120	0,4485	0,6148	0,8940
	900,	0,3858	0,4642	0,7338	0,9496	0,3952	0,4862	0,7642	0,9608	0,8761	0,8855	0,9391	0,9867	0,4362	0,4810	0,6731	0,9242
	2100,	0,4358	0,5200	0,7921	0,9661	0,4853	0,5815	0,8354	0,9759	0,8833	0,8971	0,9527	0,9903	0,4682	0,5219	0,7317	0,9460
45	300,	0,3574	0,4532	0,6898	0,9311	0,1734	0,2288	0,4553	0,8181	0,6596	0,6773	0,7616	0,9072	0,2951	0,3339	0,4900	0,7985
	900,	0,3944	0,4949	0,7369	0,9531	0,2099	0,2851	0,5554	0,8821	0,6743	0,6961	0,8032	0,9407	0,3074	0,3523	0,5423	0,8565
	2100,	0,4371	0,5429	0,7867	0,9697	0,2564	0,3513	0,6571	0,9265	0,6909	0,7181	0,8471	0,9631	0,3255	0,3799	0,6074	0,9013
46	300,	0,3413	0,4060	0,5837	0,8506	0,1848	0,2369	0,4328	0,8004	0,7456	0,7473	0,8003	0,9224	0,3157	0,3471	0,4633	0,7484
	900,	0,3884	0,4616	0,6591	0,9073	0,2314	0,2981	0,5202	0,8621	0,7682	0,7745	0,8373	0,9550	0,3376	0,3767	0,5226	0,8226
	2100,	0,4295	0,5136	0,7256	0,9431	0,2794	0,3597	0,5952	0,9019	0,7846	0,7975	0,8713	0,9793	0,3579	0,4075	0,5809	0,8758
47	300,	0,4955	0,5366	0,6887	0,9072	0,2008	0,2293	0,3910	0,7438	0,7464	0,7542	0,7990	0,9118	0,3641	0,3902	0,5070	0,7659
	900,	0,5168	0,5565	0,7046	0,9207	0,2406	0,2764	0,4713	0,8209	0,7641	0,7749	0,8331	0,9475	0,3801	0,4076	0,5338	0,8124
	2100,	0,5409	0,5783	0,7222	0,9318	0,2878	0,3314	0,5559	0,8773	0,7807	0,7949	0,8662	0,9718	0,4009	0,4298	0,5673	0,8517
48	300,	0,2245	0,2772	0,4229	0,7248	0,1164	0,1533	0,3135	0,6738	0,5549	0,5653	0,6391	0,8152	0,1841	0,2091	0,3028	0,5651
	900,	0,2331	0,2899	0,4597	0,7856	0,1251	0,1674	0,3534	0,7449	0,5602	0,5713	0,6562	0,8531	0,1862	0,2115	0,3161	0,6278
	2100,	0,2450	0,3079	0,5040	0,8424	0,1382	0,1884	0,4021	0,8086	0,5626	0,5768	0,6772	0,8883	0,1877	0,2145	0,3365	0,6939
49	300,	0,3723	0,4277	0,7070	0,9303	0,1964	0,2223	0,3587	0,6864	0,5927	0,5978	0,6593	0,8213	0,2212	0,2415	0,3835	0,6900
	900,	0,4007	0,4607	0,7410	0,9612	0,2337	0,2671	0,4306	0,7667	0,6009	0,6084	0,6794	0,8545	0,2290	0,2529	0,4158	0,7554
	2100,	0,4586	0,5204	0,7886	0,9817	0,3015	0,3411	0,5179	0,8301	0,6231	0,6345	0,7139	0,8848	0,2555	0,2861	0,4743	0,8160
50	300,	0,1328	0,1981	0,3763	0,7543	0,0394	0,0732	0,2190	0,6498	0,5915	0,5978	0,6504	0,8421	0,1282	0,1431	0,2007	0,4986
	900,	0,1859	0,2393	0,4253	0,8271	0,0471	0,0846	0,2653	0,7438	0,5876	0,5989	0,6698	0,8847	0,1355	0,1487	0,2157	0,5927
	2100,	0,1899	0,2515	0,4710	0,8856	0,0550	0,1030	0,3295	0,8259	0,5866	0,6046	0,6994	0,9233	0,1358	0,1512	0,2420	0,6891
51	300,	0,3673	0,4862	0,7796	0,9728	0,3255	0,3847	0,6810	0,9728	1,0148	1,0070	1,0042	0,9995	0,7105	0,7295	0,8428	0,9761
	900,	0,4234	0,5771	0,8850	1,0599	0,3189	0,4357	0,7380	0,9936	1,0174	0,9807	0,9780	0,9734	0,7067	0,7338	0,8645	0,9832
	2100,	0,6423	0,8094	1,0921	1,2334	0,3605	0,4953	0,7767	1,0096	1,0145	0,9629	0,9618	0,9568	0,7287	0,7737	0,9078	1,0087
52	300,	0,0936	0,1442	0,3132	0,6870	0,1372	0,1862	0,3542	0,7132	0,8820	0,8856	0,9025	0,9539	0,1660	0,1898	0,2754	0,5751
	900,	0,1049	0,1631	0,3577	0,7439	0,1573	0,2167	0,4056	0,7688	0,8767	0,8602	0,8834	0,9366	0,1702	0,1968	0,2962	0,6377
	2100,	0,1391	0,2046	0,4260	0,8040	0,1873	0,2618	0,4709	0,8180	0,8733	0,8469	0,8764	0,9284	0,1853	0,2168	0,3376	0,7075
53	300,	0,1117	0,1561	0,2942	0,6361	0,0749	0,1149	0,2521	0,6138	0,8871	0,8900	0,9044	0,9494	0,1905	0,2050	0,2660	0,5069
	900,	0,1148	0,1636	0,3254	0,6967	0,0771	0,1218	0,2843	0,6673	0,8829	0,8640	0,8820	0,9311	0,1873	0,2013	0,2689	0,5641
	2100,	0,1325	0,1877	0,3811	0,7639	0,0831	0,1353	0,3312	0,7357	0,8798	0,8501	0,8728	0,9237	0,1898	0,2047	0,2874	0,6331
54	300,	0,2401	0,2940	0,5149	0,7919	0,1239	0,1454	0,2841	0,6489	0,7688	0,7957	0,8759	0,9376	0,1576	0,1793	0,3064	0,5652
	900,	0,2458	0,3011	0,5350	0,8313	0,1296	0,1539	0,3116	0,7080	0,7654	0,7745	0,8593	0,9325	0,1568	0,1780	0,3098	0,6303
	2100,	0,2614	0,3170	0,5602	0,8646	0,1414	0,1698	0,3483	0,7576	0,7662	0,7638	0,8519	0,9337	0,1604	0,1818	0,3211	0,6757
55	300,	0,1738	0,2019	0,3351	0,6679	0,1825	0,2261	0,4039	0,7559	0,8670	0,8833	0,9273	0,9790	0,1190	0,1336	0,2214	0,5490
	900,	0,1823	0,2131	0,3613	0,7117	0,1944	0,2436	0,4478	0,8116	0,8641	0,8623	0,9126	0,9716	0,1182	0,1328	0,2301	0,6006
	2100,	0,2038	0,2386	0,4037	0,7518	0,2177	0,2737	0,5048	0,8650	0,8628	0,8510	0,9094	0,9733	0,1214	0,1372	0,2503	0,6634
56	300,	0,1284	0,1496	0,2754	0,5681	0,0958	0,1195	0,2518	0,5520	0,8574	0,8723	0,9121	0,9437	0,1436	0,1513	0,1976	0,4094
	900,	0,1307	0,1528	0,2885	0,5838	0,0974	0,1221	0,2647	0,5676	0,8570	0,8469	0,8878	0,9205	0,1491	0,1501	0,1987	0,4324
	2100,	0,1403	0,1640	0,3127	0,5964	0,1013	0,1276	0,2840	0,5749	0,8626	0,8304	0,8721	0,9033	0,1616	0,1526	0,2074	0,4616
57	300,	0,5367	0,5679	0,7305	1,0026	0,3416	0,3867	0,6226	1,0073	1,0474	1,0442	1,0242	0,9971	0,5666	0,5799	0,6813	0,9480
	900,	0,5448	0,5786	0,7760	1,1846	0,3464	0,3962	0,6770	1,2434	1,0445	1,0209	1,0000	0,9770	0,4787	0,5737	0,6793	1,0468
	2100,	0,5828	0,6206	0,8755	1,4732	0,3641	0,4161	0,7713	1,5903	1,0351	1,0093	0,9952	0,9733	0,3994	0,5808	0,5808	1,2172
58	300,	0,9993	0,9997	1,0006	0,9999	1,0037	1,0006	0,9972	1,0007	0,9992	0,9998	1,0009	0,9998	0,9994	0,9998	1,0005	0,9999
	900,	1,0062	1,0066	1,0075	1,0067	1,0172	1,0141	1,0091	1,0142	0,9991	0,9781	0,9792	0,9782	0,9994	0,9906	0,9913	0,9907
	2100,	1,0687	1,0691	1,0702	1,0693	1,0251	1,0220	1,0165	1,0219	0,9991	0,9652	0,9664	0,9653	0,9994	1,0066	1,0074	1,0068
59	300,	0,9964	0,9968	1,0002	0,9995	0,9968	0,9972	1,0002	0,9995	0,9994	0,9994	1,0001	0,9999	0,9978	0,9981	1,0001	0,9997
	900,	1,0031	1,0035	1,0070	1,0062	1,0109	1,0113	1,0144	1,0137	0,9993	0,9789	0,9796	0,9794	0,9977	0,9898	0,9918	0,9914
	2100,	1,0656	1,0661	1,0698	1,0689	1,0181	1,0185	1,0217	1,0210	0,9993	0,9667	0,9674	0,9672	0,9977	1,0071	1,0092	1,0088

Table A-5.3 (continued)

GROUP	T(K)	FF 0.	10.	100.	1000.	FC 0.	10.	100.	1000.	FE 0.	10.	100.	1000.	FT 0.	10.	100.	1000.
60	300,	0.9895	0.9901	0.9973	0.9987	0.9896	0.9901	0.9972	0.9986	0.9994	0.9994	0.9998	0.9999	0.9933	0.9940	0.9984	0.9993
	900,	0.9955	0.9961	1.0033	1.0047	1.0024	1.0029	1.0101	1.0115	0.9994	0.9796	0.9801	0.9801	0.9932	0.9870	0.9914	0.9923
	2100,	1.0521	1.0527	1.0599	1.0614	1.0090	1.0095	1.0166	1.0180	0.9994	0.9679	0.9683	0.9684	0.9933	1.0050	1.0094	1.0103
61	300,	0.9944	0.9943	0.9969	0.9990	0.9891	0.9889	0.9941	0.9980	0.9994	0.9994	0.9997	0.9999	0.9956	0.9958	0.9979	0.9993
	900,	1.0000	0.9999	1.0026	1.0046	0.9999	0.9997	1.0049	1.0088	0.9994	0.9802	0.9805	0.9807	0.9956	0.9899	0.9920	0.9934
	2100,	1.0532	1.0531	1.0558	1.0579	1.0005	1.0054	1.0104	1.0144	0.9994	0.9688	0.9690	0.9693	0.9955	1.0087	1.0108	1.0123
62	300,	0.9850	0.9849	0.9902	0.9974	0.9778	0.9776	0.9853	0.9961	0.9993	0.9993	0.9995	0.9999	0.9869	0.9877	0.9928	0.9982
	900,	0.9898	0.9897	0.9950	1.0022	0.9861	0.9859	0.9936	1.0044	0.9993	0.9806	0.9808	0.9812	0.9868	0.9832	0.9863	0.9937
	2100,	1.0346	1.0344	1.0395	1.0469	0.9908	0.9906	0.9979	1.0089	0.9993	0.9694	0.9697	0.9700	0.9870	1.0015	1.0065	1.0120
63	300,	0.9829	0.9827	0.9850	0.9964	0.9734	0.9731	0.9768	0.9944	0.9989	0.9989	0.9991	0.9998	0.9820	0.9829	0.9874	0.9971
	900,	0.9868	0.9866	0.9890	1.0003	0.9793	0.9790	0.9827	1.0003	0.9989	0.9807	0.9809	0.9816	0.9819	0.9797	0.9842	0.9939
	2100,	1.0235	1.0233	1.0255	1.0369	0.9831	0.9828	0.9861	1.0037	0.9989	0.9698	0.9700	0.9707	0.9822	0.9968	1.0011	1.0109
64	300,	0.9673	0.9678	0.9690	0.9922	0.9473	0.9480	0.9499	0.9874	0.9862	0.9868	0.9888	0.9971	0.9559	0.9579	0.9653	0.9915
	900,	0.9705	0.9710	0.9722	0.9955	0.9514	0.9521	0.9540	0.9916	0.9859	0.9695	0.9715	0.9799	0.9557	0.9560	0.9634	0.9896
	2100,	0.9992	0.9997	1.0008	1.0239	0.9549	0.9556	0.9574	0.9946	0.9858	0.9594	0.9613	0.9696	0.9564	0.9709	0.9782	1.0042
65	300,	0.9711	0.9704	0.9624	0.9891	0.9587	0.9577	0.9464	0.9845	0.9976	0.9975	0.9969	0.9991	0.9580	0.9591	0.9584	0.9886
	900,	0.9711	0.9704	0.9625	0.9891	0.9588	0.9578	0.9466	0.9845	0.9976	0.9975	0.9969	0.9991	0.9580	0.9591	0.9585	0.9887
	2100,	0.9711	0.9706	0.9635	0.9891	0.9589	0.9581	0.9479	0.9845	0.9976	0.9976	0.9970	0.9991	0.9580	0.9594	0.9594	0.9887
66	300,	0.9492	0.9490	0.9396	0.9741	0.9245	0.9243	0.9105	0.9614	0.9949	0.9949	0.9939	0.9974	0.9157	0.9178	0.9201	0.9691
	900,	0.9492	0.9490	0.9397	0.9741	0.9245	0.9243	0.9106	0.9614	0.9949	0.9949	0.9939	0.9974	0.9157	0.9178	0.9202	0.9691
	2100,	0.9492	0.9490	0.9404	0.9741	0.9245	0.9243	0.9117	0.9614	0.9949	0.9949	0.9940	0.9974	0.9157	0.9178	0.9209	0.9691
67	300,	0.9073	0.9068	0.8970	0.9234	0.8938	0.8932	0.8820	0.9121	0.9883	0.9882	0.9870	0.9904	0.8479	0.8494	0.8538	0.9087
	900,	0.9073	0.9068	0.8970	0.9234	0.8938	0.8932	0.8820	0.9122	0.9883	0.9882	0.9870	0.9904	0.8479	0.8494	0.8538	0.9088
	2100,	0.9073	0.9068	0.8972	0.9235	0.8938	0.8932	0.8822	0.9122	0.9883	0.9882	0.9870	0.9904	0.8479	0.8494	0.8540	0.9088
68	300,	0.7814	0.7808	0.7736	0.7107	0.7446	0.7440	0.7357	0.6623	0.9626	0.9625	0.9613	0.9505	0.6427	0.6435	0.6482	0.6478
	900,	0.7814	0.7808	0.7736	0.7109	0.7446	0.7440	0.7357	0.6625	0.9626	0.9625	0.9613	0.9505	0.6427	0.6435	0.6482	0.6479
	2100,	0.7814	0.7808	0.7736	0.7110	0.7446	0.7440	0.7357	0.6627	0.9626	0.9625	0.9613	0.9505	0.6427	0.6435	0.6482	0.6480
69	300,	0.9218	0.9250	0.9228	0.7611	0.9212	0.9245	0.9223	0.7593	1.0346	1.0412	1.0426	1.1254	0.8537	0.8589	0.8583	0.7243
	900,	0.9218	0.9250	0.9228	0.7621	0.9212	0.9245	0.9223	0.7603	1.0346	1.0412	1.0426	1.1249	0.8537	0.8589	0.8583	0.7251
	2100,	0.9218	0.9250	0.9228	0.7631	0.9212	0.9245	0.9223	0.7612	1.0346	1.0412	1.0426	1.1244	0.8537	0.8589	0.8583	0.7258
70	300,	0.9326	0.9415	0.9421	0.9526	0.9308	0.9397	0.9403	0.9511	0.9725	0.9804	0.9806	0.9845	0.8529	0.8721	0.8746	0.8986
	900,	0.9326	0.9415	0.9421	0.9524	0.9308	0.9397	0.9403	0.9510	0.9725	0.9804	0.9806	0.9845	0.8529	0.8721	0.8746	0.8985
	2100,	0.9326	0.9415	0.9421	0.9523	0.9308	0.9397	0.9403	0.9508	0.9725	0.9804	0.9806	0.9844	0.8529	0.8721	0.8746	0.8984

GROUP	T(K)	FR 0.	10.	100.	1000.
26	300,	0.1171	0.7046	0.9575	0.9954
	900,	0.1173	0.7066	0.9587	0.9955
	2100,	0.1176	0.7085	0.9596	0.9957
27	300,	0.7830	0.6853	0.9535	0.9947
	900,	0.7924	0.6856	0.9545	0.9948
	2100,	0.7970	0.6862	0.9549	0.9949
28	300,	0.8187	0.6646	0.9433	0.9934
	900,	0.8301	0.8660	0.9455	0.9937
	2100,	0.8383	0.6673	0.9467	0.9939
29	300,	0.7314	0.6196	0.9272	0.9915
	900,	0.7392	0.6179	0.9291	0.9918
	2100,	0.7417	0.6156	0.9301	0.9919
30	300,	0.7811	0.5989	0.9085	0.9887
	900,	0.7994	0.6057	0.9135	0.9895
	2100,	0.8144	0.6096	0.9161	0.9899
31	300,	0.6696	0.6141	0.9095	0.9891
	900,	0.6874	0.6235	0.9144	0.9899
	2100,	0.7010	0.6291	0.9167	0.9902
32	300,	0.7555	0.6784	0.8971	0.9869
	900,	0.7789	0.6922	0.9045	0.9882
	2100,	0.7916	0.7022	0.9093	0.9889
33	300,	0.8611	0.7188	0.8943	0.9864
	900,	0.8764	0.7304	0.8964	0.9870
	2100,	0.8893	0.7372	0.8973	0.9872
34	300,	0.6627	0.6739	0.8156	0.9718
	900,	0.6818	0.7001	0.8364	0.9773
	2100,	0.6941	0.7191	0.8491	0.9799
35	300,	0.6148	0.6604	0.8428	0.9761
	900,	0.6265	0.6673	0.8493	0.9797
	2100,	0.6353	0.6770	0.8503	0.9801
36	300,	0.5553	0.5943	0.8190	0.9741
	900,	0.5944	0.6371	0.8258	0.9765
	2100,	0.6434	0.6797	0.8327	0.9781
37	300,	1.0266	0.9826	0.8636	0.9789
	900,	1.0998	1.0271	0.8711	0.9818
	2100,	1.1272	1.0439	0.8767	0.9834
38	300,	0.1551	0.3485	0.7708	0.9643
	900,	0.1656	0.3201	0.7904	0.9714
	2100,	0.1656	0.2989	0.8030	0.9750
39	300,	0.4958	0.3091	0.7603	0.9642
	900,	0.5046	0.2830	0.7535	0.9658
	2100,	0.5207	0.2716	0.7537	0.9674
40	300,	1.0408	0.5782	0.8017	0.9732
	900,	1.1745	0.6916	0.7921	0.9726
	2100,	1.2723	0.7881	0.7847	0.9723
41	300,	0.6255	0.8394	0.8337	0.9767
	900,	0.7128	0.8915	0.8298	0.9764
	2100,	0.7863	0.9232	0.8267	0.9762
42	300,	0.4791	0.5609	0.6822	0.9489
	900,	0.5089	0.5751	0.6793	0.9525
	2100,	0.5128	0.5715	0.6726	0.9533
43	300,	1.0705	0.9844	0.6896	0.9395
	900,	1.0024	0.9672	0.6836	0.9448
	2100,	0.8972	0.9375	0.6798	0.9478
44	300,	0.7969	0.8189	0.6727	0.9323
	900,	0.6811	0.7538	0.6584	0.9351
	2100,	0.4925	0.6188	0.6528	0.9373
45	300,	0.3590	0.5367	0.7035	0.9484
	900,	0.4078	0.5749	0.7035	0.9476
	2100,	0.4668	0.6173	0.7049	0.9472
46	300,	0.6125	0.8420	0.7977	0.9549
	900,	0.6892	0.9046	0.8012	0.9527
	2100,	0.7674	0.9789	0.8095	0.9516
47	300,	1.8636	1.3187	0.6548	0.9136
	900,	1.9503	1.4197	0.6883	0.9108
	2100,	2.0692	1.5285	0.7202	0.9090
48	300,	0.2436	0.3640	0.5870	0.8864
	900,	0.2371	0.3540	0.6052	0.8774
	2100,	0.2162	0.3225	0.5860	0.8597

GROUP	T(K)	FR 0.	10.	100.	1000.
49	300,	1.7556	1.6651	1.0194	0.9107
	900,	1.8317	1.7239	1.0775	0.9002
	2100,	1.8912	1.7591	1.1013	0.8892
50	300,	2.5877	1.9094	1.3026	0.9654
	900,	2.0478	1.7933	1.3532	0.9604
	2100,	1.7518	1.6812	1.4114	0.9555
51	300,	1.4955	1.2523	1.1819	0.9907
	900,	1.6014	1.3015	1.2065	0.9904
	2100,	1.4722	1.2678	1.2161	0.9885
52	300,	0.3650	0.5549	0.8364	0.9258
	900,	0.3899	0.5871	0.8314	0.9202
	2100,	0.4035	0.6082	0.7879	0.9091
53	300,	0.3792	0.6069	0.8418	0.9150
	900,	0.3813	0.6167	0.8443	0.9082
	2100,	0.3998	0.6311	0.8424	0.9007
54	300,	2.2864	1.8243	0.8045	0.8174
	900,	2.3304	1.8843	0.8487	0.8089
	2100,	2.3900	1.9792	0.9238	0.8053
55	300,	1.5740	1.4023	0.8882	0.7572
	900,	1.6351	1.4697	0.9571	0.7484
	2100,	1.7445	1.5829	1.0423	0.7369
56	300,	0.0150	0.0274	0.1343	0.4732
	900,	0.0162	0.0293	0.1438	0.4973
	2100,	0.0202	0.0352	0.1672	0.5344
57	300,	1.3717	1.4748	1.3388	0.9723
	900,	1.3823	1.4947	1.3728	0.9753
	2100,	1.3945	1.5218	1.4240	0.9781
58	300,	0.8781	0.9438	1.0974	0.9801
	900,	0.8779	0.9438	1.1035	0.9808
	2100,	0.8766	0.9398	1.1093	0.9804
59	300,	0.8304	0.8476	1.0008	0.9752
	900,	0.8304	0.8474	1.0031	0.9757
	2100,	0.8309	0.8461	1.0032	0.9752
60	300,	0.7929	0.7924	0.9295	0.9681
	900,	0.7932	0.7925	0.9305	0.9685
	2100,	0.7952	0.7940	0.9289	0.9678
61	300,	0.7942	0.7967	0.8856	0.9619
	900,	0.7943	0.7968	0.8861	0.9622
	2100,	0.7956	0.7982	0.8839	0.9614
62	300,	0.7473	0.7427	0.8175	0.9506
	900,	0.7476	0.7429	0.8178	0.9508
	2100,	0.7504	0.7460	0.8162	0.9498
63	300,	0.7314	0.7282	0.7555	0.9374
	900,	0.7316	0.7285	0.7558	0.9375
	2100,	0.7343	0.7315	0.7556	0.9364
64	300,	0.5086	0.5273	0.5948	0.8943
	900,	0.5086	0.5274	0.5951	0.8943
	2100,	0.5129	0.5314	0.5975	0.8932
65	300,	0.6766	0.6707	0.5873	0.8612
	900,	0.6767	0.6710	0.5886	0.8614
	2100,	0.6769	0.6723	0.5974	0.8616
66	300,	0.5840	0.5823	0.5242	0.7632
	900,	0.5840	0.5823	0.5248	0.7634
	2100,	0.5840	0.5823	0.5286	0.7636
67	300,	0.5100	0.5074	0.4684	0.5518
	900,	0.5100	0.5074	0.4684	0.5519
	2100,	0.5100	0.5074	0.4690	0.5521
68	300,	0.3347	0.3332	0.3176	0.1430
	900,	0.3347	0.3332	0.3176	0.1433
	2100,	0.3347	0.3332	0.3176	0.1436
69	300,	0.7191	0.7622	0.7507	0.1525
	900,	0.7191	0.7622	0.7507	0.1560
	2100,	0.7191	0.7622	0.7507	0.1591
70	300,	1.3842	1.3481	1.3458	1.3021
	900,	1.3842	1.3481	1.3458	1.3026
	2100,	1.3842	1.3481	1.3458	1.3031

Table A-1.4   SELF-SHIELDING FACTOR TABLES CODE NO = 940

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GROUP	T(K)	FF 0.	100.	1000.	10000.	FS 0.	100.	1000.	10000.	FE 0.	100.	1000.	10000.	FT 0.	100.	1000.	10000.
23	300.	0.8851	0.9887	0.9987	0.9999	0.8905	0.9888	0.9987	0.9999	0.9163	0.9869	0.9984	0.9998	0.8530	0.9750	0.9969	0.9995
	900.	0.9166	0.9937	0.9993	0.9999	0.9315	0.9937	0.9993	0.9999	0.9429	0.9924	0.9991	0.9999	0.9013	0.9852	0.9982	0.9999
	2100.	0.9316	0.9957	0.9995	0.9999	0.9475	0.9959	0.9995	0.9999	0.9577	0.9949	0.9994	0.9999	0.9239	0.9902	0.9989	0.9999
24	300.	0.8903	0.9862	0.9984	0.9998	0.8928	0.9870	0.9985	0.9998	0.8952	0.9823	0.9978	0.9998	0.8193	0.9668	0.9957	0.9998
	900.	0.9344	0.9925	0.9991	0.9999	0.9343	0.9928	0.9992	0.9999	0.9305	0.9891	0.9987	0.9999	0.8802	0.9794	0.9975	1.0000
	2100.	0.9589	0.9954	0.9995	0.9999	0.9544	0.9954	0.9995	0.9999	0.9500	0.9925	0.9991	0.9999	0.9136	0.9858	0.9983	1.0002
25	300.	0.9202	0.9896	0.9988	0.9999	0.8928	0.9859	0.9984	0.9998	0.9031	0.9825	0.9978	0.9998	0.8300	0.9668	0.9957	0.9995
	900.	0.9613	0.9950	0.9995	1.0000	0.9368	0.9923	0.9991	0.9999	0.9385	0.9897	0.9988	0.9999	0.8864	0.9800	0.9976	0.9995
	2100.	0.9794	0.9976	1.0002	1.0005	0.9590	0.9955	0.9998	1.0003	0.9588	0.9934	0.9992	0.9999	0.9197	0.9869	0.9984	0.9997
26	300.	0.8691	0.9800	0.9976	0.9998	0.8719	0.9812	0.9978	0.9998	0.8887	0.9780	0.9972	0.9997	0.8141	0.9588	0.9945	0.9997
	900.	0.9272	0.9901	0.9989	1.0000	0.9243	0.9898	0.9988	0.9998	0.9244	0.9870	0.9984	0.9999	0.8694	0.9748	0.9969	0.9999
	2100.	0.9575	0.9949	1.0000	1.0006	0.9503	0.9939	0.9995	1.0002	0.9465	0.9922	0.9997	1.0006	0.9039	0.9838	0.9986	1.0005
27	300.	0.8595	0.9751	0.9969	0.9997	0.8452	0.9759	0.9971	0.9997	0.8659	0.9716	0.9963	0.9996	0.7854	0.9475	0.9927	0.9993
	900.	0.9274	0.9886	0.9987	1.0000	0.9061	0.9871	0.9988	1.0002	0.9064	0.9830	0.9981	1.0000	0.8434	0.9677	0.9960	0.9998
	2100.	0.9662	0.9954	0.9998	1.0004	0.9359	0.9924	0.9999	1.0008	0.9306	0.9890	0.9992	1.0004	0.8795	0.9784	0.9979	1.0001
28	300.	0.8184	0.9675	0.9959	0.9997	0.7932	0.9635	0.9954	0.9995	0.8276	0.9590	0.9944	0.9994	0.7319	0.9260	0.9890	0.9988
	900.	0.9000	0.9828	0.9974	0.9992	0.8710	0.9794	0.9970	0.9992	0.8742	0.9741	0.9965	0.9994	0.7984	0.9523	0.9933	0.9993
	2100.	0.9440	0.9896	0.9977	0.9987	0.9152	0.9869	0.9976	0.9989	0.9044	0.9820	0.9972	0.9991	0.8425	0.9668	0.9951	0.9989
29	300.	0.7362	0.9487	0.9933	0.9992	0.7412	0.9516	0.9938	0.9993	0.8369	0.9600	0.9944	0.9994	0.7373	0.9264	0.9889	0.9991
	900.	0.8218	0.9694	0.9956	0.9988	0.8314	0.9731	0.9970	1.0000	0.8801	0.9751	0.9968	0.9997	0.8010	0.9530	0.9936	0.9993
	2100.	0.8701	0.9791	0.9968	0.9989	0.8856	0.9843	0.9991	1.0009	0.9119	0.9846	0.9987	1.0005	0.8480	0.9695	0.9967	1.0000
30	300.	0.7034	0.9292	0.9898	0.9989	0.7144	0.9375	0.9914	0.9991	0.7872	0.9342	0.9897	0.9989	0.6881	0.8872	0.9801	0.9979
	900.	0.7991	0.9589	0.9942	0.9990	0.8087	0.9649	0.9955	0.9995	0.8337	0.9563	0.9938	0.9994	0.7517	0.9224	0.9881	0.9986
	2100.	0.8643	0.9757	0.9964	0.9991	0.8735	0.9802	0.9978	0.9999	0.8694	0.9709	0.9968	1.0003	0.7982	0.9464	0.9931	0.9998
31	300.	0.6231	0.9034	0.9859	0.9985	0.6669	0.9158	0.9874	0.9986	0.7567	0.9138	0.9849	0.9983	0.6496	0.8576	0.9713	0.9967
	900.	0.7316	0.9407	0.9916	0.9987	0.7720	0.9484	0.9927	0.9991	0.8024	0.9390	0.9905	0.9990	0.7166	0.8959	0.9818	0.9977
	2100.	0.8043	0.9613	0.9949	0.9993	0.8393	0.9666	0.9957	0.9998	0.8371	0.9560	0.9937	0.9994	0.7621	0.9228	0.9878	0.9992
32	300.	0.5602	0.8805	0.9816	0.9984	0.5399	0.8771	0.9816	0.9982	0.7582	0.9153	0.9857	0.9985	0.6520	0.8521	0.9713	0.9968
	900.	0.6485	0.9245	0.9891	0.9987	0.6293	0.9233	0.9897	0.9991	0.7989	0.9415	0.9912	0.9991	0.7000	0.8930	0.9823	0.9980
	2100.	0.7220	0.9514	0.9926	0.9984	0.7012	0.9503	0.9940	0.9998	0.8307	0.9576	0.9932	0.9983	0.7368	0.9206	0.9873	0.9979
33	300.	0.4481	0.8663	0.9817	0.9985	0.3447	0.7792	0.9646	0.9960	0.7882	0.9187	0.9857	0.9984	0.6911	0.8520	0.9697	0.9966
	900.	0.5879	0.9276	0.9905	0.9984	0.4541	0.8572	0.9797	0.9976	0.8209	0.9435	0.9914	0.9991	0.7268	0.8919	0.9815	0.9979
	2100.	0.7200	0.9651	0.9946	0.9979	0.5542	0.9052	0.9873	0.9983	0.8515	0.9625	0.9968	1.0018	0.7597	0.9231	0.9902	1.0007
34	300.	0.2161	0.5583	0.9012	0.9898	0.2799	0.7008	0.9411	0.9932	0.6085	0.8101	0.9573	0.9950	0.4778	0.6998	0.9167	0.9897
	900.	0.2560	0.6538	0.9356	0.9938	0.3718	0.7893	0.9645	0.9960	0.6494	0.8541	0.9726	0.9970	0.5239	0.7551	0.9453	0.9936
	2100.	0.3193	0.7360	0.9569	0.9960	0.4713	0.8530	0.9779	0.9976	0.6910	0.8905	0.9827	0.9990	0.5660	0.8061	0.9639	0.9967
35	300.	0.2175	0.6158	0.9159	0.9906	0.2569	0.6751	0.9338	0.9922	0.6123	0.7956	0.9463	0.9932	0.4804	0.6830	0.8995	0.9863
	900.	0.2820	0.7144	0.9474	0.9944	0.3522	0.7744	0.9602	0.9955	0.6535	0.8380	0.9636	0.9957	0.5303	0.7388	0.9306	0.9915
	2100.	0.3568	0.7895	0.9659	0.9966	0.4491	0.8440	0.9750	0.9971	0.6934	0.8742	0.9767	0.9991	0.5719	0.7890	0.9528	0.9959
36	300.	0.3810	0.8192	0.9677	0.9958	0.2251	0.6171	0.9061	0.9882	0.5301	0.7245	0.9169	0.9887	0.4024	0.6041	0.8509	0.9779
	900.	0.5018	0.8826	0.9807	0.9971	0.2961	0.7115	0.9399	0.9929	0.5616	0.7723	0.9428	0.9928	0.4375	0.6562	0.8939	0.9858
	2100.	0.5969	0.9193	0.9871	0.9973	0.3778	0.7847	0.9608	0.9960	0.5975	0.8184	0.9636	0.9988	0.4741	0.7108	0.9270	0.9938
37	300.	0.2267	0.5897	0.9032	0.9885	0.2048	0.5784	0.9006	0.9882	0.5891	0.7685	0.9417	0.9929	0.4565	0.6294	0.8812	0.9846
	900.	0.2912	0.6870	0.9363	0.9890	0.2719	0.6804	0.9369	0.9911	0.6180	0.8180	0.9625	0.9950	0.4837	0.6865	0.9217	0.9899
	2100.	0.3573	0.7538	0.9466	0.9809	0.3430	0.7528	0.9513	0.9867	0.6440	0.8519	0.9682	0.9898	0.5080	0.7351	0.9400	0.9864
38	300.	0.1847	0.4829	0.8229	0.9731	0.1457	0.4785	0.8530	0.9810	0.4348	0.6368	0.8829	0.9839	0.3013	0.4751	0.7830	0.9666
	900.	0.2376	0.5612	0.8765	0.9828	0.1953	0.5904	0.9073	0.9901	0.4670	0.6996	0.9223	0.9908	0.3251	0.5351	0.8485	0.9801
	2100.	0.2986	0.6338	0.9140	0.9888	0.2619	0.6906	0.9447	0.9990	0.5043	0.7605	0.9499	0.9965	0.3499	0.6027	0.8962	0.9898
39	300.	0.1105	0.4285	0.8401	0.9811	0.1699	0.5012	0.8433	0.9772	0.5504	0.6871	0.8721	0.9797	0.4091	0.5628	0.7804	0.9594
	900.	0.1339	0.5432	0.9013	0.9921	0.2219	0.6063	0.9098	1.0046	0.5679	0.7254	0.9126	0.9937	0.4284	0.6003	0.8380	0.9819
	2100.	0.1668	0.6459	0.9396	0.9999	0.2802	0.6978	0.9640	1.0329	0.5856	0.7627	0.9425	1.0031	0.4521	0.6384	0.8843	0.9981
40	300.	0.1824	0.5562	0.8973	0.9882	0.1710	0.5503	0.8961	0.9880	0.7023	0.8245	0.9559	0.9949	0.4973	0.6373	0.8865	0.9856
	900.	0.2469	0.6618	0.9263	0.9807	0.2367	0.6582	0.9267	0.9817	0.7276	0.8610	0.9650	0.9885	0.5188	0.6669	0.9199	0.9825
	2100.	0.3195	0.7382	0.9334	0.9670	0.3115	0.7373	0.9358	0.9698	0.7434	0.8819	0.9593	0.9736	0.5352	0.7470	0.9301	0.9698
41	300.	0.1259	0.3936	0.7811	0.9662	0.1145	0.3835	0.7769	0.9655	0.5065	0.6298	0.8385	0.9731	0.3526	0.4661	0.7121	0.9439
	900.	0.1585	0.4878	0.8485	0.9790	0.1462	0.4784	0.8456	0.9787	0.5209	0.6693	0.8831	0.9832	0.3643	0.5026	0.7795	0.9643
	2100.	0.1980	0.5721	0.8932	0.9860	0.1847	0.5642	0.8918	0.9864	0.5475	0.7176	0.9223	0.9957	0.3871	0.5499	0.8376	0.9812
42	300.	0.1129	0.3642	0.7106	0.9401	0.1070	0.3520	0.6983	0.9369	0.3172	0.4363	0.6691	0.9258	0.2028	0.3178	0.5298	0.8619
	900.	0.1451	0.4487	0.7785	0.9609	0.1380	0.4341	0.7678	0.9587	0.3229	0.4652	0.7303	0.9487	0.2019	0.3447	0.5917	0.9039
	2100.	0.1769	0.5213	0.8317	0.9737	0.1687	0.5057	0.8231	0.9724	0.3312	0.4985	0.7846	0.9626	0.2041	0.3729	0.6528	0.9303
43	300.	0.0873	0.3364	0.7781	0.9707	0.0736	0.3258	0.7736	0.9701	0.7218	0.7950	0.9300	0.9907	0.4936	0.5558	0.7934	0.9684
	900.	0.1074	0.4411	0.8552	0.9831	0.0936	0.4316	0.8522	0.9828	0.7333	0.8262	0.9539	0.9934	0.4991	0.5906	0.8554	0.9812
	2100.	0.1351	0.5406	0.9024	0.9894	0.1217	0.5328	0.9006	0.9895	0.7503	0.8609	0.9734	1.0012	0.5084	0.6368	0.9006	0.9911
44	300.	0.0765	0.2794	0.7038	0.9536	0.0720	0.2776	0.7034	0.9536	0.6272	0.7067	0.8794	0.9811	0.3844	0.4445	0.6876	0.9433
	900.	0.0914	0.3633	0.7957	0.9713	0.0872	0.3622	0.7956	0.9715	0.6355	0.7404	0.9166	0.9884	0.3903	0.4734	0.7688	0.9650
	2100.	0.1084	0.4497	0.8563	0.9806	0.1049	0.4495	0.8568	0.9812	0.6449	0.7814	0.9480	0.9991	0.3976	0.5154	0.8335	0.9809
45	300.	0.0735	0.2575	0.6731	0.9463	0.0726	0.2554	0.6715	0.9458	0.5126	0.5937	0.8126	0.9679	0.2580	0.3158	0.5875	0.9164
	900.	0.0900	0.3452	0.7726	0.9680	0.0890	0.3423	0.7707	0.9676	0.5314	0.6365	0.8664	0.9804	0.2646	0.3489	0.6861	0.9485
	2100.	0.1161	0.4405	0.8417	0.9799	0.1151	0.4371	0.8401	0.9796	0.5850	0.7136	0.9355	1.0182	0.2900	0.4124	0.7810	0.9822
46	300.	0.0475	0.1565	0.4654	0.8590	0.0459	0.1515	0.4530	0.8530	0.2466	0.3092	0.5348	0.8691	0.1290	0.1644	0.3178	0.7461
	900.	0.0511	0.1984	0.5665	0.9079	0.0493	0.1905	0.5531	0.9035	0.2519	0.3355	0.6122	0.9129	0.1293	0.1715	0.3859	0.8219
	2100.	0.0577	0.2538	0.6601	0.9392	0.0555	0.2429	0.6474	0.9361	0.2651	0.3786	0.6951	0.9479	0.1337	0.1901	0.4692	0.8780
47	300.	0.0523	0.2641	0.6627	0.9425	0.0472	0.2516	0.6487	0.9394	0.6769	0.7104	0.8582	0.9749	0.2908	0.3423	0.5824	0.9085
	900.	0.0555	0.3483	0.7637	0.9668	0.0492	0.3321	0.7521	0.9648	0.6771	0.7360	0.8980	0.9851	0.2901	0.3670	0.6719	0.9432
	2100.	0.0590	0.4361	0.8382	0.9805	0.0519	0.4181	0.8293	0.9792	0.6808	0.7670	0.9302	0.9928	0.2919	0.4003	0.7495	0.9641
48	300.	0.0332	0.1223	0.3455	0.7685	0.0332	0.1222	0.3451	0.7681	0.0877	0.1594	0.3528	0.7560	0.0360	0.0784	0.1764	0.5784
	900.	0.0339	0.1486	0.4412	0.8459	0.0339	0.1484	0.4406	0.8455	0.0888	0.1805	0.4348	0.8337	0.0357	0.0806	0.2216	0.6851
	2100.	0.0354	0.1912	0.5481	0.9010	0.0354	0.1908	0.5474	0.9007	0.0891	0.2146	0.5308	0.8905	0.0347	0.0879	0.2892	0.7717
49	300.	0.9788	0.9986	0.9995	0.9999	0.9887	0.9981	0.9993	0.9997	1.0177	0.9990	0.9996	0.9996	0.9930	0.9967	0.9994	0.9996
	900.	0.9796	0.9990	1.0001	1.0007	0.9895	0.9987	1.0000	1.0005	1.0177	0.9993	0.9997	0.9996	0.9930	0.9970	0.9994	0.9999
	2100.	0.9895	0.9090	1.0106	1.0114	0.9984	1.0083	1.0098	1.0105	1.0172	0.9997	0.9996	0.9996	0.9923	0.9974	0.9994	0.9997
50	300.	0.0202	0.1073	0.3379	0.7795	0.0182	0.1002	0.3256	0.7695	0.1215	0.1754	0.3710	0.7803	0.0436	0.0720	0.1676	0.6004
	900.	0.0206	0.1298	0.4374	0.8565	0.0185	0.1204	0.4209	0.8478	0.1219	0.1959	0.4578	0.8540	0.0435	0.0731	0.2179	0.7145
	2100.	0.0211	0.1651	0.5423	0.9068	0.0190	0.1515	0.5213	0.8992	0.1199	0.2239	0.5481	0.9022	0.0425	0.0779	0.2902	0.7986
51	300.	0.8567	1.0054	1.0027	1.0021	0.8429	1.0061	1.0030	1.0023	1.0375	0.9991	0.9994	0.9995	1.0167	0.9987	0.9996	0.9996
	900.	0.8574	1.0072	1.0048	1.0040	0.8438	1.0083	1.0055	1.0045	1.0385	0.9993	0.9995	0.9995	1.0168	0.9990	0.9996	0.9997
	2100.	0.8638	1.0162	1.0144	1.0132	0.8495	1.0168	1.0146	1.0131	1.0385	0.9998	0.9994	0.9995	1.0170	0.9994	0.9996	0.9996
52	300.	0.8474	0.9909	0.9963	0.9969	0.8619	0.9917	0.9967	0.9972	0.9878	0.9993	0.9997	0.9997	0.9751	0.9980	0.9994	0.9995
	900.	0.8517	1.0001	1.0044	1.0049	0.8658	1.0001	1.0040	1.0044	0.9877	0.9994	0.9997	0.9997	0.9747	0.9982	0.9995	0.9995
	2100.	0.8621	1.0241	1.0258	1.0262	0.8764	1.0227	1.0242	1.0246	0.9870	0.9997	0.9997	0.9997	0.9732	0.9985	0.9995	0.9995
53	300.	0.0230	0.1754	0.5220	0.9017	0.0238	0.1761	0.5223	0.9017	0.6388	0.6854	0.8151	0.9620	0.1089	0.1582	0.3523	0.8181
	900.	0.0235	0.2298	0.6419	0.9431	0.0243	0.2304	0.6422	0.9431	0.6372	0.7095	0.8636	0.9785	0.1084	0.1684	0.4505	0.8842
	2100.	0.0244	0.3117	0.7477	0.9676	0.0252	0.3122	0.7479	0.9677	0.6320	0.7401	0.9044	0.9840	0.1054	0.1913	0.5572	0.9225
54	300.	0.9981	1.0001	1.0001	1.0002	0.9977	1.0002	1.0002	1.0002	1.0005	0.9999	0.9999	0.9999	1.0000	0.9999	0.9999	1.0001
	900.	0.9982	1.0001	1.0003	1.0004	0.9980	1.0003	1.0005	1.0006	1.0006	0.9999	0.9999	0.9999	1.0000	0.9999	0.9999	0.9999
	2100.	1.0010	1.0028	1.0033	1.0034	1.0069	1.0088	1.0094	1.0094	1.0006	1.0001	0.9999	0.9999	1.0000	1.0001	0.9999	0.9998
55	300.	1.0000	1.0000	1.0000	1.0000	0.9908	0.9992	0.9995	0.9995	0.9984	0.9999	0.9999	0.9999	0.9978	0.9998	0.9999	0.9998
	900.	1.0000	1.0000	1.0000	1.0000	0.9909	0.9994	0.9996	0.9996	0.9984	0.9999	0.9999	0.9999	0.9977	0.9999	0.9998	0.9998
	2100.	1.0000	1.0000	1.0000	1.0000	0.9986	1.0077	1.0074	1.0074	0.9983	1.0000	0.9999	0.9999	0.9977	0.9999	0.9999	0.9998
56	300.	1.0000	1.0000	1.0000	1.0000	0.9777	0.9982	0.9991	0.9992	0.9972	0.9998	0.9999	0.9999	0.9959	0.9997	0.9999	0.9999
	900.	1.0000	1.0000	1.0000	1.0000	0.9778	0.9986	0.9992	0.9993	0.9972	0.9998	0.9999	0.9999	0.9959	0.9998	0.9999	0.9999
	2100.	1.0000	1.0000	1.0000	1.0000	0.9831	1.0046	1.0047	1.0048	0.9972	0.9999	0.9999	0.9999	0.9958	0.9998	0.9999	0.9998
57	300.	1.0000	1.0000	1.0000	1.0000	0.9676	0.9971	0.9989	0.9991	0.9959	0.9996	0.9999	0.9999	0.9933	0.9994	0.9998	0.9998
	900.	1.0000	1.0000	1.0000	1.0000	0.9677	0.9974	0.9990	0.9992	0.9959	0.9997	0.9999	0.9999	0.9933	0.9994	0.9998	0.9998
	2100.	1.0000	1.0000	1.0000	1.0000	0.9711	1.0014	1.0026	1.0026	0.9959	0.9999	0.9999	0.9999	0.9932	0.9994	0.9998	0.9998
58	300.	1.0000	1.0000	1.0000	1.0000	0.9578	0.9951	0.9986	0.9989	0.9941	0.9993	0.9998	0.9999	0.9886	0.9986	0.9996	0.9998
	900.	1.0000	1.0000	1.0000	1.0000	0.9580	0.9955	0.9988	0.9991	0.9941	0.9993	0.9998	0.9999	0.9886	0.9987	0.9996	0.9998
	2100.	1.0000	1.0000	1.0000	1.0000	0.9602	0.9982	1.0011	1.0015	0.9940	0.9994	0.9998	0.9998	0.9884	0.9988	0.9997	0.9998
59	300.	0.9819	0.9960	0.9991	0.9996	0.9490	0.9893	0.9975	0.9984	0.9914	0.9982	0.9996	0.9996	0.9797	0.9960	0.9991	0.9995
	900.	0.9820	0.9962	0.9992	0.9995	0.9493	0.9899	0.9979	0.9987	0.9914	0.9982	0.9996	0.9997	0.9797	0.9961	0.9991	0.9995
	2100.	0.9916	1.0077	1.0109	1.0113	0.9508	0.9920	0.9996	1.0005	0.9912	0.9983	0.9996	0.9997	0.9794	0.9961	0.9991	0.9994

Table A-5.4 (continued)

GROUP	T(K)	FF 0.	100.	1000.	10000.	FC 0.	100.	1000.	10000.	FE 0.	100.	1000.	10000.	FT 0.	100.	1000.	10000.
60	300.	0.9488	0.9823	0.9967	0.9985	0.9313	0.9762	0.9935	0.9977	0.9853	0.9949	0.9991	0.9995	0.9592	0.9874	0.9978	0.9990
	900.	0.9492	0.9829	0.9971	0.9988	0.9318	0.9770	0.9962	0.9985	0.9852	0.9950	0.9991	0.9995	0.9591	0.9874	0.9978	0.9990
	2100.	0.9630	0.9973	1.0113	1.0129	0.9332	0.9791	0.9979	1.0001	0.9851	0.9950	0.9990	0.9995	0.9585	0.9875	0.9978	0.9990
61	300.	0.9164	0.9477	0.9915	0.9970	0.9035	0.9397	0.9902	0.9966	0.9724	0.9829	0.9972	0.9990	0.9153	0.9554	0.9929	0.9978
	900.	0.9173	0.9489	0.9926	0.9981	0.9045	0.9410	0.9914	0.9979	0.9724	0.9829	0.9972	0.9990	0.9151	0.9554	0.9929	0.9978
	2100.	0.9258	0.9580	1.0017	1.0073	0.9067	0.9439	0.9942	1.0007	0.9721	0.9829	0.9972	0.9990	0.9140	0.9552	0.9928	0.9978
62	300.	0.8562	0.8362	0.9693	0.9936	0.8482	0.8271	0.9675	0.9932	0.9388	0.9304	0.9871	0.9973	0.8190	0.8371	0.9677	0.9939
	900.	0.8583	0.8386	0.9722	0.9967	0.8505	0.8296	0.9707	0.9965	0.9385	0.9303	0.9870	0.9973	0.8182	0.8366	0.9675	0.9938
	2100.	0.8652	0.8459	0.9808	1.0058	0.8551	0.8347	0.9771	1.0034	0.9375	0.9295	0.9868	0.9972	0.8157	0.8350	0.9670	0.9938
63	300.	0.7005	0.5714	0.8140	0.9682	0.6669	0.5662	0.8117	0.9678	0.8154	0.7332	0.8869	0.9808	0.5921	0.5429	0.7739	0.9598
	900.	0.7069	0.5769	0.8232	0.9838	0.7034	0.5718	0.8211	0.9836	0.8115	0.7299	0.8839	0.9802	0.5859	0.5378	0.7683	0.9584
	2100.	0.7212	0.5885	0.8439	1.0192	0.7173	0.5830	0.8414	1.0189	0.8020	0.7208	0.8764	0.9787	0.5716	0.5257	0.7550	0.9552
64	300.	0.1064	0.0922	0.0665	0.1957	0.1063	0.0921	0.0664	0.1956	0.1402	0.1256	0.1014	0.2347	0.0501	0.0481	0.0503	0.1058
	900.	0.1151	0.0995	0.0701	0.2088	0.1149	0.0994	0.0700	0.2086	0.1527	0.1364	0.1076	0.2538	0.0528	0.0508	0.0532	0.1141
	2100.	0.1364	0.1176	0.0793	0.2310	0.1363	0.1175	0.0791	0.2309	0.1843	0.1637	0.1238	0.2922	0.0607	0.0585	0.0611	0.1385
65	300.	0.5220	0.5257	0.5896	1.1653	0.5211	0.5248	0.5889	1.1656	0.4156	0.4200	0.4988	1.2117	0.3548	0.3614	0.4130	0.9154
	900.	0.5449	0.5493	0.6115	1.4145	0.5441	0.5485	0.6108	1.4153	0.3307	0.3347	0.3931	1.1588	0.2853	0.2905	0.3293	0.7965
	2100.	0.5991	0.6054	0.6779	1.9365	0.5983	0.6046	0.6772	1.9381	0.2455	0.2492	0.2937	1.0837	0.2021	0.2057	0.2328	0.6551
66	300.	0.9627	0.9623	0.9619	0.9997	0.9621	0.9616	0.9612	0.9997	0.9238	0.9229	0.9223	0.9995	0.9113	0.9200	0.9447	0.9973
	900.	0.9706	0.9701	0.9696	1.0056	0.9701	0.9696	0.9690	1.0056	0.9219	0.9209	0.9201	0.9927	0.9092	0.9180	0.9431	0.9937
	2100.	0.9876	0.9871	0.9862	1.0205	0.9867	0.9862	0.9853	1.0202	0.9182	0.9172	0.9158	0.9827	0.9046	0.9136	0.9394	0.9883
67	300.	0.9915	0.9920	0.9924	0.9994	0.9915	0.9921	0.9926	0.9995	0.9861	0.9853	0.9799	0.9988	0.9778	0.9817	0.9891	0.9990
	900.	0.9941	0.9946	0.9951	1.0014	0.9943	0.9948	0.9954	1.0015	0.9853	0.9846	0.9793	0.9958	0.9772	0.9813	0.9888	0.9981
	2100.	1.0003	1.0009	1.0014	1.0069	0.9998	1.0004	1.0010	1.0064	0.9835	0.9830	0.9777	0.9916	0.9759	0.9803	0.9882	0.9968
68	300.	1.0011	1.0007	0.9991	1.0000	1.0011	1.0007	0.9990	1.0000	0.9974	0.9983	1.0021	0.9999	0.9982	0.9989	0.9986	1.0000
	900.	1.0011	1.0007	0.9990	0.9997	1.0011	1.0007	0.9990	0.9997	0.9974	0.9983	1.0022	1.0007	0.9982	0.9989	0.9986	0.9996
	2100.	1.0011	1.0006	0.9990	0.9993	1.0011	1.0007	0.9990	0.9993	0.9974	0.9983	1.0023	1.0017	0.9982	0.9988	0.9986	0.9992
69	300.	1.0011	1.0010	1.0002	1.0001	1.0011	1.0010	1.0003	1.0001	0.9960	0.9964	0.9991	0.9996	1.0006	1.0007	1.0002	1.0001
	900.	1.0011	1.0010	1.0002	1.0000	1.0011	1.0010	1.0003	1.0000	0.9960	0.9964	0.9991	0.9999	1.0006	1.0007	1.0002	1.0000
	2100.	1.0011	1.0010	1.0002	0.9999	1.0011	1.0010	1.0002	0.9999	0.9960	0.9964	0.9991	1.0003	1.0006	1.0007	1.0002	0.9999
70	300.	1.0003	1.0003	1.0001	1.0000	1.0004	1.0004	1.0002	1.0001	0.9963	0.9965	0.9983	0.9995	1.0003	1.0003	1.0002	1.0000
	900.	1.0003	1.0003	1.0001	1.0000	1.0004	1.0004	1.0002	1.0000	0.9963	0.9965	0.9983	0.9996	1.0003	1.0003	1.0002	1.0000
	2100.	1.0003	1.0003	1.0001	1.0000	1.0004	1.0004	1.0002	1.0000	0.9963	0.9965	0.9983	0.9998	1.0003	1.0003	1.0002	1.0000

GROUP	T(K)	FR 0.	100.	1000.	10000.	GROUP	T(K)	ER 0.	100.	1000.	10000.
23	300.	0.3842	0.9709	0.9965	0.9995	47	300.	1.4450	0.9498	0.9858	0.9940
	900.	0.3944	0.9770	0.9973	0.9996		900.	1.4745	0.9426	0.9846	0.9939
	2100.	0.3993	0.9794	0.9976	0.9996		2100.	1.5119	0.9363	0.9838	0.9939
24	300.	0.4859	0.9671	0.9959	0.9993	48	300.	1.8581	0.8600	0.9529	0.9850
	900.	0.5040	0.9740	0.9969	0.9994		900.	1.8991	0.8414	0.9415	0.9837
	2100.	0.5150	0.9780	0.9974	0.9995		2100.	1.9924	0.8091	0.9274	0.9827
25	300.	0.6430	0.9648	0.9958	0.9992	49	300.	1.0127	0.9835	0.9945	0.9957
	900.	0.6672	0.9736	0.9969	0.9994		900.	1.0125	0.9852	0.9946	0.9958
	2100.	0.6822	0.9780	0.9974	0.9994		2100.	1.0046	0.9884	0.9947	0.9958
26	300.	0.7101	0.9528	0.9941	0.9989	50	300.	0.9478	0.7762	0.9253	0.9777
	900.	0.7360	0.9616	0.9953	0.9990		900.	0.9563	0.7438	0.9062	0.9760
	2100.	0.7524	0.9665	0.9959	0.9991		2100.	0.9778	0.6885	0.8844	0.9746
27	300.	0.6155	0.8918	0.9841	0.9977	51	300.	1.2869	0.9938	0.9940	0.9938
	900.	0.6405	0.9114	0.9879	0.9981		900.	1.2877	0.9980	0.9944	0.9938
	2100.	0.6491	0.9230	0.9900	0.9984		2100.	1.2895	1.0067	0.9948	0.9938
28	300.	0.8120	0.9486	0.9922	0.9985	52	300.	0.5573	0.9724	0.9908	0.9927
	900.	0.8473	0.9638	0.9948	0.9987		900.	0.5537	0.9752	0.9910	0.9927
	2100.	0.8887	0.9743	0.9963	0.9989		2100.	0.5403	0.9811	0.9912	0.9927
29	300.	0.8398	0.9880	0.9983	0.9990	53	300.	1.8920	0.9735	0.9866	0.9912
	900.	0.8741	0.9906	0.9985	0.9991		900.	1.9241	0.9751	0.9859	0.9912
	2100.	0.9076	0.9919	0.9986	0.9991		2100.	2.0035	0.9826	0.9855	0.9912
30	300.	0.8336	0.9407	0.9903	0.9981	54	300.	0.9890	0.9901	0.9918	0.9918
	900.	0.8738	0.9635	0.9945	0.9986		900.	0.9894	0.9946	0.9921	0.9918
	2100.	0.9108	0.9782	0.9967	0.9988		2100.	0.9893	1.0041	0.9924	0.9918
31	300.	0.7099	0.9213	0.9883	0.9979	55	300.	0.8431	0.9858	0.9910	0.9915
	900.	0.7527	0.9450	0.9924	0.9983		900.	0.8431	0.9891	0.9912	0.9916
	2100.	0.8063	0.9596	0.9945	0.9985		2100.	0.8420	0.9960	0.9914	0.9916
32	300.	1.2984	0.9917	0.9977	0.9985	56	300.	0.7658	0.9800	0.9904	0.9915
	900.	1.3723	1.0012	0.9993	0.9987		900.	0.7658	0.9827	0.9906	0.9915
	2100.	1.4317	1.0080	1.0003	0.9988		2100.	0.7645	0.9882	0.9908	0.9915
33	300.	0.9810	0.9937	0.9982	0.9983	57	300.	0.7121	0.9709	0.9892	0.9911
	900.	0.9621	0.9962	0.9984	0.9983		900.	0.7120	0.9729	0.9893	0.9911
	2100.	0.9374	0.9976	0.9985	0.9984		2100.	0.7109	0.9772	0.9895	0.9911
34	300.	0.8793	0.9784	0.9959	0.9979	58	300.	0.6648	0.9549	0.9873	0.9907
	900.	0.9121	0.9884	0.9974	0.9981		900.	0.6647	0.9565	0.9874	0.9907
	2100.	0.9448	0.9953	0.9982	0.9981		2100.	0.6640	0.9599	0.9875	0.9908
35	300.	0.5155	0.8235	0.9688	0.9948	59	300.	0.6484	0.9140	0.9802	0.9875
	900.	0.5387	0.8585	0.9780	0.9958		900.	0.6483	0.9154	0.9803	0.9875
	2100.	0.5712	0.8835	0.9830	0.9964		2100.	0.6473	0.9181	0.9804	0.9875
36	300.	0.2208	0.4319	0.8128	0.9734	60	300.	0.5883	0.8327	0.9682	0.9844
	900.	0.2448	0.5030	0.8686	0.9823		900.	0.5881	0.8338	0.9683	0.9844
	2100.	0.2722	0.5783	0.9084	0.9875		2100.	0.5873	0.8360	0.9684	0.9844
37	300.	0.2104	0.5221	0.8712	0.9823	61	300.	0.5194	0.6542	0.9391	0.9799
	900.	0.2254	0.5895	0.9114	0.9879		900.	0.5191	0.6550	0.9391	0.9799
	2100.	0.2494	0.6436	0.9336	0.9907		2100.	0.5182	0.6564	0.9390	0.9799
38	300.	0.8077	0.9656	0.9931	0.9972	62	300.	0.4220	0.3217	0.8393	0.9673
	900.	0.8742	0.9626	0.9929	0.9972		900.	0.4210	0.3219	0.8388	0.9672
	2100.	0.9268	0.9601	0.9928	0.9973		2100.	0.4189	0.3220	0.8377	0.9671
39	300.	0.6229	0.9382	0.9906	0.9971	63	300.	0.2536	0.0779	0.4280	0.8858
	900.	0.4605	0.8417	0.9727	0.9951		900.	0.2485	0.0777	0.4210	0.8834
	2100.	0.3444	0.7790	0.9614	0.9939		2100.	0.2368	0.0760	0.4052	0.8779
40	300.	0.6892	0.9374	0.9902	0.9972	64	300.	0.1292	0.0973	0.0050	0.1064
	900.	0.6735	0.9324	0.9901	0.9972		900.	0.0946	0.0715	0.0031	0.0697
	2100.	0.6909	0.9297	0.9901	0.9972		2100.	0.0921	0.0700	0.0024	0.0515
41	300.	0.3390	0.5290	0.8467	0.9774	65	300.	1.9982	1.9852	1.8598	0.9013
	900.	0.3256	0.5937	0.8961	0.9851		900.	2.0541	2.0411	1.9302	0.9372
	2100.	0.2919	0.6541	0.9263	0.9892		2100.	2.1851	2.1719	2.0645	0.9880
42	300.	1.2357	0.9508	0.9881	0.9952	66	300.	1.2293	1.2353	1.2483	1.0044
	900.	1.5433	0.9480	0.9880	0.9953		900.	1.2330	1.2391	1.2529	1.0270
	2100.	1.9575	0.9515	0.9887	0.9954		2100.	1.2410	1.2472	1.2628	1.0584
43	300.	1.2786	0.9736	0.9910	0.9953	67	300.	1.0439	1.0505	1.0868	1.0050
	900.	1.3135	0.9680	0.9906	0.9953		900.	1.0468	1.0532	1.0886	1.0191
	2100.	1.3391	0.9630	0.9904	0.9953		2100.	1.0527	1.0924	1.0953	1.0370
44	300.	0.5066	0.9464	0.9852	0.9941	68	300.	0.9564	0.9673	1.0195	0.9980
	900.	0.4712	0.9403	0.9847	0.9941		900.	0.9564	0.9675	1.0202	1.0078
	2100.	0.4061	0.9355	0.9849	0.9942		2100.	0.9564	0.9678	1.0217	1.0195
45	300.	0.7711	0.9520	0.9845	0.9936	69	300.	0.9167	0.9238	0.9761	0.9904
	900.	0.8538	0.9428	0.9827	0.9935		900.	0.9167	0.9238	0.9764	0.9970
	2100.	0.9419	0.9324	0.9814	0.9935		2100.	0.9167	0.9238	0.9770	1.0046
46	300.	0.7268	0.9233	0.9757	0.9911	70	300.	0.8864	0.8914	0.9433	0.9827
	900.	0.8181	0.9134	0.9715	0.9909		900.	0.8864	0.8914	0.9435	0.9877
	2100.	0.9672	0.9986	0.9672	0.9907		2100.	0.8864	0.8914	0.9438	0.9933

Table A-5.5 SELF-SHIELDING FACTOR TABLES CODE NO = 941

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GROUP	T(K)	FF 0,	10,	100,	1000,	10000,	FC 0,	10,	100,	1000,	10000,	FE 0,	10,	100,	1000,	10000,
26	300,	0.9222	0.9651	0.9931	0.9992	0.9999	0.8691	0.9502	0.9911	0.9990	0.9999	0.9732	0.9880	0.9977	0.9997	1.0000
	900,	0.9316	0.9719	0.9948	0.9994	0.9999	0.8772	0.9568	0.9927	0.9992	0.9999	0.9760	0.9903	0.9982	0.9998	1.0000
	2100,	0.9343	0.9750	0.9956	0.9995	0.9999	0.8791	0.9595	0.9935	0.9993	0.9999	0.9775	0.9915	0.9985	0.9998	1.0000
27	300,	0.9523	0.9700	0.9930	0.9992	0.9999	0.9494	0.9675	0.9925	0.9991	0.9999	0.9837	0.9901	0.9976	0.9997	1.0000
	900,	0.9680	0.9796	0.9954	0.9995	0.9999	0.9669	0.9784	0.9951	0.9994	0.9999	0.9893	0.9937	0.9985	0.9998	1.0000
	2100,	0.9767	0.9848	0.9966	0.9996	1.0000	0.9765	0.9843	0.9965	0.9996	1.0000	0.9925	0.9957	0.9990	0.9999	1.0000
28	300,	0.9458	0.9613	0.9914	0.9990	0.9999	0.9444	0.9572	0.9907	0.9989	0.9999	0.9846	0.9898	0.9976	0.9997	1.0000
	900,	0.9647	0.9735	0.9944	0.9994	0.9999	0.9648	0.9702	0.9939	0.9993	0.9999	0.9903	0.9937	0.9986	0.9998	1.0000
	2100,	0.9750	0.9800	0.9959	0.9995	0.9999	0.9752	0.9767	0.9955	0.9995	0.9999	0.9934	0.9958	0.9991	0.9999	1.0000
29	300,	0.9226	0.9405	0.9866	0.9985	0.9998	0.9319	0.9625	0.9901	0.9988	0.9999	0.9822	0.9885	0.9971	0.9997	1.0000
	900,	0.9473	0.9555	0.9905	0.9989	0.9999	0.9582	0.9795	0.9944	0.9993	0.9999	0.9884	0.9927	0.9982	0.9998	1.0000
	2100,	0.9617	0.9643	0.9926	0.9992	0.9999	0.9719	0.9882	0.9966	0.9996	1.0000	0.9921	0.9951	0.9988	0.9999	1.0000
30	300,	0.9145	0.9378	0.9839	0.9981	0.9998	0.9061	0.9532	0.9875	0.9985	0.9999	0.9803	0.9881	0.9969	0.9996	1.0000
	900,	0.9423	0.9552	0.9885	0.9986	0.9998	0.9388	0.9751	0.9936	0.9992	0.9999	0.9868	0.9926	0.9981	0.9998	1.0000
	2100,	0.9589	0.9656	0.9912	0.9990	0.9999	0.9583	0.9882	0.9970	0.9996	1.0000	0.9907	0.9953	0.9988	0.9999	1.0000
31	300,	0.8924	0.9258	0.9799	0.9976	0.9997	0.8828	0.9140	0.9746	0.9969	0.9996	0.9807	0.9861	0.9959	0.9995	0.9999
	900,	0.9235	0.9473	0.9871	0.9998	1.0013	0.9170	0.9373	0.9814	0.9982	1.0002	0.9864	0.9901	0.9971	0.9997	1.0000
	2100,	0.9433	0.9607	0.9912	1.0009	1.0021	0.9359	0.9697	0.9849	0.9988	1.0003	0.9900	0.9925	0.9979	0.9998	1.0000
32	300,	0.8661	0.9072	0.9744	0.9969	0.9997	0.8569	0.9023	0.9743	0.9969	0.9997	0.9682	0.9783	0.9944	0.9993	0.9999
	900,	0.9045	0.9345	0.9828	0.9982	1.0001	0.9086	0.9392	0.9851	0.9982	0.9998	0.9791	0.9865	0.9968	0.9994	0.9998
	2100,	0.9289	0.9512	0.9876	0.9989	1.0003	0.9370	0.9588	0.9904	0.9988	0.9999	0.9854	0.9910	0.9980	0.9994	0.9996
33	300,	0.8689	0.9149	0.9801	0.9976	0.9998	0.8336	0.8785	0.9605	0.9952	0.9994	0.9737	0.9811	0.9943	0.9993	0.9999
	900,	0.9179	0.9500	0.9918	1.0000	1.0010	0.8945	0.9226	0.9742	0.9975	1.0002	0.9840	0.9888	0.9969	0.9994	1.0002
	2100,	0.9460	0.9691	0.9976	1.0023	1.0029	0.9272	0.9453	0.9808	0.9986	1.0007	0.9899	0.9930	0.9983	1.0003	1.0005
34	300,	0.7653	0.8294	0.9388	0.9921	0.9990	0.7769	0.8450	0.9523	0.9941	0.9993	0.9499	0.9635	0.9884	0.9985	0.9998
	900,	0.8222	0.8724	0.9531	0.9938	0.9989	0.8491	0.8990	0.9699	0.9964	0.9996	0.9653	0.9755	0.9926	0.9990	0.9998
	2100,	0.8564	0.8970	0.9604	0.9939	0.9990	0.8898	0.9277	0.9782	0.9973	0.9995	0.9748	0.9826	0.9949	0.9993	0.9999
35	300,	0.8012	0.8603	0.9615	0.9951	0.9995	0.8040	0.8643	0.9613	0.9950	0.9995	0.9623	0.9724	0.9915	0.9989	0.9999
	900,	0.8647	0.9079	0.9784	0.9989	1.0016	0.8752	0.9169	0.9789	0.9981	1.0006	0.9739	0.9815	0.9949	0.9993	0.9999
	2100,	0.9032	0.9361	0.9884	1.0017	1.0034	0.9109	0.9423	0.9871	0.9998	1.0014	0.9806	0.9865	0.9965	0.9994	0.9998
36	300,	0.6961	0.7779	0.9157	0.9889	0.9986	0.6524	0.7400	0.8995	0.9865	0.9984	0.9344	0.9485	0.9788	0.9970	0.9997
	900,	0.7491	0.8205	0.9321	0.9912	0.9987	0.7222	0.7987	0.9237	0.9899	0.9985	0.9477	0.9603	0.9844	0.9979	0.9997
	2100,	0.7864	0.8480	0.9411	0.9922	0.9985	0.7691	0.8353	0.9366	0.9917	0.9984	0.9574	0.9684	0.9877	0.9985	0.9997
37	300,	0.6488	0.7388	0.8986	0.9856	0.9983	0.5955	0.6893	0.8741	0.9819	0.9979	0.9050	0.9226	0.9664	0.9949	0.9994
	900,	0.7142	0.7967	0.9267	0.9932	1.0022	0.6823	0.7691	0.9130	0.9903	1.0007	0.9250	0.9417	0.9770	0.9974	1.0003
	2100,	0.7654	0.8397	0.9451	0.9980	1.0048	0.7425	0.8211	0.9347	0.9949	1.0026	0.9404	0.9558	0.9835	0.9990	1.0010
38	300,	0.6393	0.7179	0.8872	0.9837	0.9982	0.6771	0.7548	0.9151	0.9881	0.9988	0.9247	0.9399	0.9771	0.9966	0.9997
	900,	0.7308	0.7943	0.9213	0.9891	0.9984	0.7863	0.8431	0.9502	0.9928	0.9985	0.9454	0.9575	0.9854	0.9976	0.9994
	2100,	0.7987	0.8477	0.9416	0.9918	0.9984	0.8530	0.8930	0.9670	0.9952	0.9988	0.9596	0.9689	0.9900	0.9980	0.9991
39	300,	0.6494	0.7192	0.8685	0.9805	0.9977	0.5900	0.6654	0.8624	0.9773	0.9977	0.8817	0.8998	0.9542	0.9920	0.9992
	900,	0.7364	0.7899	0.8999	0.9856	0.9976	0.7034	0.7653	0.9161	0.9856	0.9969	0.9091	0.9247	0.9699	0.9948	0.9990
	2100,	0.7933	0.8362	0.9188	0.9880	0.9971	0.7701	0.8232	0.9454	0.9890	0.9956	0.9271	0.9415	0.9802	0.9966	0.9991
40	300,	0.6316	0.7195	0.8955	0.9636	0.9983	0.5524	0.6550	0.8410	0.9760	0.9972	0.9491	0.9572	0.9794	0.9967	0.9996
	900,	0.6891	0.7720	0.9252	0.9906	1.0000	0.6447	0.7422	0.8863	0.9845	0.9988	0.9594	0.9675	0.9859	0.9983	1.0002
	2100,	0.7308	0.8093	0.9462	0.9954	1.0029	0.7046	0.7953	0.9110	0.9889	0.9999	0.9669	0.9749	0.9907	0.9997	1.0011
41	300,	0.5376	0.6182	0.8289	0.9723	0.9970	0.4064	0.4973	0.7571	0.9561	0.9952	0.8416	0.8622	0.9342	0.9874	0.9987
	900,	0.6045	0.6837	0.8709	0.9812	0.9983	0.4881	0.5835	0.8228	0.9688	0.9938	0.8614	0.8834	0.9539	0.9914	0.9982
	2100,	0.6651	0.7396	0.9006	0.9859	0.9981	0.5566	0.6485	0.8622	0.9715	0.9882	0.8794	0.9016	0.9672	0.9924	0.9965
42	300,	0.5359	0.6144	0.8089	0.9617	0.9954	0.4361	0.5086	0.7418	0.9479	0.9941	0.8684	0.8813	0.9257	0.9831	0.9980
	900,	0.6080	0.6838	0.8552	0.9756	0.9989	0.5375	0.6149	0.8311	0.9749	1.0018	0.8897	0.9034	0.9456	0.9903	0.9998
	2100,	0.6793	0.7490	0.8911	0.9859	1.0027	0.6320	0.7086	0.8971	0.9952	1.0115	0.9102	0.9244	0.9618	0.9960	1.0024
43	300,	0.4409	0.5308	0.7636	0.9482	0.9939	0.4140	0.5021	0.7350	0.9482	0.9940	0.9068	0.9148	0.9457	0.9878	0.9985
	900,	0.5024	0.5917	0.8104	0.9589	0.9916	0.5219	0.6129	0.8171	0.9672	0.9946	0.9211	0.9297	0.9580	0.9913	0.9986
	2100,	0.5671	0.6508	0.8474	0.9646	0.9879	0.6254	0.7084	0.8719	0.9767	0.9938	0.9345	0.9432	0.9671	0.9931	0.9981
44	300,	0.5554	0.6336	0.8419	0.9736	0.9973	0.4251	0.5015	0.7524	0.9554	0.9954	0.9500	0.9548	0.9779	0.9959	0.9996
	900,	0.6115	0.6872	0.8785	0.9833	1.0007	0.5167	0.5941	0.8273	0.9744	0.9990	0.9561	0.9606	0.9837	0.9960	0.9981
	2100,	0.6717	0.7429	0.9119	0.9911	1.0035	0.6019	0.6771	0.8841	0.9863	1.0016	0.9610	0.9659	0.9880	0.9958	0.9969
45	300,	0.3975	0.4655	0.6716	0.9160	0.9890	0.3499	0.4237	0.6442	0.9157	0.9889	0.9303	0.9313	0.9502	0.9865	0.9982
	900,	0.4368	0.5078	0.7142	0.9357	0.9933	0.4113	0.4896	0.7024	0.9385	0.9950	0.9376	0.9400	0.9593	0.9916	1.0005
	2100,	0.4873	0.5577	0.7546	0.9507	0.9965	0.4752	0.5512	0.7453	0.9541	1.0008	0.9480	0.9508	0.9689	0.9976	1.0046
46	300,	0.5575	0.6477	0.8559	0.9712	0.9967	0.3625	0.4197	0.5678	0.8537	0.9780	0.8709	0.8671	0.8794	0.9542	0.9930
	900,	0.6083	0.6950	0.8873	0.9805	0.9991	0.4287	0.4860	0.6233	0.8862	0.9819	0.8886	0.8855	0.8973	0.9687	0.9984
	2100,	0.6566	0.7367	0.9115	0.9853	0.9988	0.4827	0.5351	0.6584	0.9013	0.9800	0.8971	0.8955	0.9078	0.9752	0.9994
47	300,	0.3825	0.4709	0.6881	0.9232	0.9904	0.2850	0.3483	0.5611	0.8802	0.9844	0.9113	0.9081	0.9324	0.9817	0.9976
	900,	0.4124	0.5101	0.7407	0.9451	0.9949	0.3287	0.4020	0.6367	0.9205	1.0003	0.9129	0.9119	0.9399	0.9819	0.9934
	2100,	0.4496	0.5537	0.7858	0.9596	0.9980	0.3865	0.4660	0.7072	0.9499	1.0127	0.9187	0.9198	0.9489	0.9830	0.9915
48	300,	0.3150	0.4064	0.6425	0.9024	0.9873	0.3435	0.4388	0.6919	0.9401	0.9938	0.9238	0.9416	0.9624	0.9902	0.9988
	900,	0.3532	0.4489	0.6921	0.9186	0.9896	0.4025	0.5061	0.7588	0.9567	0.9863	0.9309	0.9503	0.9741	0.9906	1.0028
	2100,	0.3993	0.4951	0.7358	0.9305	0.9910	0.4612	0.5661	0.8045	0.9649	0.9812	0.9400	0.9598	0.9839	1.0019	1.0065
49	300,	0.2050	0.3495	0.6742	0.9135	0.9885	0.2167	0.3647	0.6791	0.9077	0.9875	0.9805	0.9926	0.9949	0.9939	0.9990
	900,	0.2063	0.3576	0.6938	0.9204	0.9883	0.2212	0.3746	0.7027	0.9158	0.9881	0.9784	0.9918	0.9967	0.9940	0.9988
	2100,	0.2119	0.3696	0.7193	0.9291	0.9886	0.2280	0.3886	0.7324	0.9276	0.9913	0.9828	0.9953	1.0002	0.9954	0.9998
50	300,	0.4816	0.5778	0.8066	0.9596	0.9952	0.3701	0.4444	0.6887	0.9256	0.9909	0.9830	0.9837	0.9921	0.9977	0.9997
	900,	0.5021	0.6003	0.8297	0.9686	0.9986	0.4036	0.4808	0.7280	0.9397	0.9924	0.9836	0.9854	0.9955	1.0012	1.0031
	2100,	0.5292	0.6276	0.8504	0.9751	1.0016	0.4372	0.5155	0.7573	0.9463	0.9914	0.9830	0.9851	0.9947	0.9996	1.0012
51	300,	0.4761	0.5234	0.6827	0.9049	0.9871	0.4844	0.5407	0.7310	0.9376	0.9925	0.9902	0.9889	0.9904	0.9972	0.9996
	900,	0.4932	0.5408	0.6994	0.9107	0.9878	0.5248	0.5829	0.7690	0.9499	0.9950	0.9905	0.9840	0.9859	0.9923	0.9943
	2100,	0.5210	0.5673	0.7210	0.9172	0.9880	0.5812	0.6383	0.8119	0.9628	0.9986	0.9899	0.9782	0.9809	0.9869	0.9888
52	300,	0.4896	0.5248	0.6885	0.9302	0.9923	0.4833	0.5169	0.6560	0.8997	0.9876	0.9543	0.9578	0.9794	1.0002	1.0002
	900,	0.5178	0.5520	0.7156	0.9472	0.9951	0.5329	0.5648	0.6998	0.9202	0.9906	0.9557	0.9525	0.9743	0.9949	0.9935
	2100,	0.5579	0.5910	0.7536	0.9665	0.9981	0.5963	0.6252	0.7490	0.9394	0.9918	0.9586	0.9500	0.9716	0.9911	0.9883
53	300,	0.2206	0.2674	0.4482	0.7238	0.9485	0.1313	0.1750	0.3425	0.6483	0.9312	0.7507	0.7610	0.8014	0.8873	0.9778
	900,	0.2288	0.2788	0.4714	0.7514	0.9480	0.1424	0.1905	0.3786	0.7047	0.9469	0.7534	0.7608	0.8079	0.9011	0.9787
	2100,	0.2424	0.2961	0.5013	0.7761	0.9451	0.1619	0.2160	0.4271	0.7553	0.9567	0.7587	0.7641	0.8192	0.9135	0.9781
54	300,	0.3565	0.3736	0.4654	0.6810	0.9274	0.2605	0.2706	0.3232	0.5414	0.8950	0.5853	0.5950	0.6449	0.7756	0.9489
	900,	0.3776	0.3955	0.4931	0.7200	0.9626	0.2804	0.2921	0.3522	0.5779	0.9066	0.5953	0.6021	0.6568	0.7953	0.9539
	2100,	0.4201	0.4386	0.5405	0.7656	0.9501	0.3192	0.3324	0.3980	0.6154	0.9515	0.6199	0.6191	0.6779	0.8165	0.9515
55	300,	0.5199	0.5581	0.7385	0.9375	0.9923	0.5237	0.5433	0.6656	1.0038	1.0063	0.9789	0.9887	1.0137	0.9796	0.9962
	900,	0.5260	0.5649	0.7484	0.9520	1.0060	0.5394	0.5606	0.6941	1.1044	1.1121	0.9710	0.9849	1.0124	1.0002	1.0002
	2100,	0.5382	0.5783	0.7674	0.9876	1.0438	0.5729	0.5975	0.7549	1.3283	1.3575	0.9680	0.9872	1.0199	1.0077	1.0263
56	300,	0.6697	0.6890	0.8025	0.9739	0.9966	0.5317	0.5465	0.6430	0.8741	0.9820	0.9753	0.9764	0.9835	0.9971	0.9997
	900,	0.6893	0.7093	0.8247	0.9885	1.0037	0.5724	0.5724	0.6731	0.8970	0.9866	0.9748	0.9725	0.9800	0.9931	0.9946
	2100,	0.7235	0.7439	0.8579	1.0048	1.0037	0.6005	0.6169	0.7186	0.9222	0.9911	0.9788	0.9714	0.9790	0.9909	0.9913
57	300,	0.6233	0.6271	0.6824	0.8395	0.9777	0.5499	0.5629	0.6659	0.8997	0.9896	1.0027	1.0052	1.0144	1.0164	1.0026
	900,	0.6326	0.6370	0.6941	0.8468	0.9787	0.5706	0.5845	0.6919	0.9190	0.9929	1.0034	1.0003	1.0096	1.0117	0.9971
	2100,	0.6491	0.6541	0.7128	0.8559	0.9795	0.6057	0.6208	0.7319	0.9423	0.9964	1.0045	0.9961	1.0055	1.0073	0.9920
58	300,	0.9198	0.9215	0.9378	1.0573	1.0084	0.9480	0.9520	0.9750	0.9279	0.9874	0.9964	0.9970	0.9999	0.9918	0.9985
	900,	0.9285	0.9301	0.9459	1.0611	1.0144	0.9694	0.9737	0.9990	0.9486	1.0155	0.9957	0.9906	0.9936	0.9862	0.9928
	2100,	0.9426	0.9441	0.9586	1.0663	1.0196	1.0060	1.0108	1.0375	0.9792	1.0544	0.9952	0.9855	0.9884	0.9821	0.9883
59	300,	0.4374	0.4485	0.5374	0.9782	1.0014	0.2900	0.3015	0.3939	0.8740	0.9838	0.8249	0.8288	0.8599	1.0160	1.0046
	900,	0.4454	0.4573	0.5515	0.9998	1.0017	0.3045	0.3170	0.4174	0.9138	0.9903	0.8281	0.8269	0.8595	1.0186	1.0001
	2100,	0.4591	0.4719	0.5718	1.0149	0.9985	0.3287	0.3427	0.4521	0.9505	0.9933	0.8353	0.8305	0.8645	1.0221	0.9969

Table A-5.5 (continued)

GROUP	T(K)	FF 0.	10.	100.	1000.	10000.	FC 0.	10.	100.	1000.	10000.	FE 0.	10.	100.	1000.	10000.
60	300,	0.9910	0.9899	0.9835	0.9984	1.0015	0.9840	0.9822	0.9712	0.9974	1.0026	1.0024	1.0027	1.0045	1.0004	0.9?
	900,	0.9923	0.9912	0.9846	0.9992	1.0029	0.9874	0.9855	0.9741	0.9999	1.0063	1.0025	0.9955	0.9973	0.9934	0.9924
	2100,	0.9943	0.9931	0.9861	1.0006	1.0051	0.9936	0.9915	0.9794	1.0052	1.0131	1.0025	0.9895	0.9914	0.9875	0.9862
61	300,	1.0012	1.0010	0.9990	0.9998	1.0006	1.0009	1.0007	0.9992	0.9998	1.0005	0.9996	0.9997	1.0003	1.0001	0.9998
	900,	1.0022	1.0019	1.0000	1.0006	1.0016	1.0028	1.0026	1.0011	1.0016	1.0024	0.9996	0.9933	0.9938	0.9937	0.9934
	2100,	1.0032	1.0030	1.0010	1.0014	1.0026	1.0052	1.0050	1.0035	1.0039	1.0048	0.9996	0.9879	0.9885	0.9884	0.9880
62	300,	1.0007	1.0007	1.0003	1.0003	1.0001	0.9974	0.9976	0.9988	0.9998	0.9995	0.9993	0.9994	0.9997	0.9999	0.9999
	900,	1.0017	1.0016	1.0013	1.0010	1.0011	0.9992	0.9994	1.0006	1.0017	1.0013	0.9993	0.9933	0.9936	0.9939	0.9938
	2100,	1.0025	1.0025	1.0021	1.0018	1.0019	1.0015	1.0015	1.0027	1.0038	1.0034	0.9993	0.9882	0.9886	0.9889	0.9888
63	300,	0.9979	0.9980	0.9986	0.9997	0.9997	0.9914	0.9916	0.9943	0.9987	0.9989	0.9992	0.9992	0.9995	0.9999	0.9999
	900,	0.9989	0.9990	0.9996	1.0007	1.0007	0.9931	0.9933	0.9960	1.0005	1.0006	0.9992	0.9934	0.9936	0.9940	0.9940
	2100,	0.9997	0.9998	1.0004	1.0016	1.0015	0.9951	0.9953	0.9980	1.0027	1.0026	0.9992	0.9885	0.9888	0.9892	0.9892
64	300,	0.9692	0.9709	0.9801	0.9954	0.9982	0.9500	0.9525	0.9669	0.9922	0.9968	0.9753	0.9769	0.9847	0.9965	0.9988
	900,	0.9702	0.9719	0.9811	0.9965	0.9993	0.9515	0.9540	0.9684	0.9939	0.9984	0.9752	0.9715	0.9793	0.9911	0.9934
	2100,	0.9711	0.9728	0.9820	0.9975	1.0002	0.9535	0.9561	0.9704	0.9962	1.0005	0.9751	0.9670	0.9748	0.9867	0.9889
65	300,	0.9947	0.9946	0.9943	0.9983	0.9993	0.9842	0.9841	0.9834	0.9950	0.9980	0.9987	0.9987	0.9986	0.9996	0.9998
	900,	0.9947	0.9946	0.9943	0.9984	0.9993	0.9842	0.9841	0.9834	0.9951	0.9980	0.9987	0.9987	0.9986	0.9996	0.9998
	2100,	0.9947	0.9946	0.9943	0.9984	0.9993	0.9842	0.9841	0.9834	0.9952	0.9980	0.9987	0.9987	0.9986	0.9996	0.9998
66	300,	0.9909	0.9909	0.9909	0.9968	0.9990	0.9727	0.9729	0.9728	0.9904	0.9969	0.9979	0.9979	0.9979	0.9993	0.9998
	900,	0.9909	0.9909	0.9909	0.9968	0.9990	0.9727	0.9729	0.9728	0.9905	0.9969	0.9979	0.9979	0.9979	0.9993	0.9998
	2100,	0.9909	0.9909	0.9909	0.9969	0.9990	0.9727	0.9729	0.9728	0.9907	0.9969	0.9979	0.9979	0.9979	0.9993	0.9998
67	300,	0.9567	0.9570	0.9586	0.9841	0.9963	0.9326	0.9331	0.9355	0.9754	0.9942	0.9953	0.9953	0.9955	0.9983	0.9996
	900,	0.9567	0.9570	0.9586	0.9842	0.9963	0.9326	0.9331	0.9355	0.9756	0.9942	0.9953	0.9953	0.9955	0.9983	0.9996
	2100,	0.9567	0.9570	0.9586	0.9843	0.9963	0.9326	0.9331	0.9355	0.9758	0.9942	0.9953	0.9953	0.9955	0.9983	0.9996
68	300,	0.8392	0.8377	0.8236	0.8964	0.9818	0.8393	0.8378	0.8237	0.8966	0.9818	0.9875	0.9874	0.9863	0.9922	0.9987
	900,	0.8392	0.8377	0.8236	0.8967	0.9818	0.8393	0.8378	0.8237	0.8969	0.9818	0.9875	0.9874	0.9863	0.9923	0.9987
	2100,	0.8392	0.8377	0.8236	0.8969	0.9818	0.8393	0.8378	0.8237	0.8971	0.9818	0.9875	0.9874	0.9863	0.9923	0.9987
69	300,	0.8065	0.8056	0.7938	0.7312	0.9367	0.8214	0.8206	0.8095	0.7520	0.9424	0.9998	0.9998	0.9997	0.9999	1.0006
	900,	0.8065	0.8056	0.7938	0.7316	0.9367	0.8214	0.8206	0.8095	0.7525	0.9424	0.9998	0.9998	0.9997	0.9999	1.0006
	2100,	0.8065	0.8056	0.7938	0.7321	0.9367	0.8214	0.8206	0.8095	0.7529	0.9424	0.9998	0.9998	0.9997	0.9999	1.0006
70	300,	0.9967	0.9967	0.9970	1.0085	1.0098	0.9971	0.9972	0.9977	1.0202	1.0154	1.0022	1.0023	1.0033	1.0522	1.0250
	900,	0.9967	0.9967	0.9970	1.0084	1.0098	0.9971	0.9972	0.9977	1.0199	1.0154	1.0022	1.0023	1.0033	1.0516	1.0250
	2100,	0.9967	0.9967	0.9970	1.0082	1.0098	0.9971	0.9972	0.9977	1.0196	1.0154	1.0022	1.0023	1.0033	1.0509	1.0250

GROUP	T(K)	FT 0.	10.	100.	1000.	10000.
26	300,	0.9460	0.9721	0.9940	0.9993	0.9998
	900,	0.9545	0.9786	0.9957	0.9995	0.9999
	2100,	0.9585	0.9820	0.9966	0.9996	1.0001
27	300,	0.9527	0.9704	0.9928	0.9991	0.9999
	900,	0.9683	0.9803	0.9949	0.9995	0.9998
	2100,	0.9772	0.9860	0.9967	0.9996	1.0000
28	300,	0.9516	0.9667	0.9921	0.9991	0.9998
	900,	0.9685	0.9782	0.9951	0.9994	1.0001
	2100,	0.9779	0.9844	0.9968	0.9996	0.9998
29	300,	0.9359	0.9564	0.9891	0.9987	0.9998
	900,	0.9565	0.9701	0.9929	0.9992	0.9998
	2100,	0.9690	0.9782	0.9949	0.9994	0.9999
30	300,	0.9256	0.9497	0.9863	0.9983	0.9998
	900,	0.9487	0.9656	0.9909	0.9989	0.9998
	2100,	0.9630	0.9755	0.9936	0.9992	0.9999
31	300,	0.9140	0.9401	0.9829	0.9979	0.9998
	900,	0.9371	0.9568	0.9885	0.9990	1.0001
	2100,	0.9523	0.9673	0.9917	0.9996	1.0005
32	300,	0.8732	0.9102	0.9739	0.9967	0.9998
	900,	0.9093	0.9375	0.9831	0.9979	0.9998
	2100,	0.9327	0.9543	0.9882	0.9985	0.9999
33	300,	0.8750	0.9123	0.9747	0.9968	0.9998
	900,	0.9173	0.9445	0.9860	0.9990	1.0007
	2100,	0.9436	0.9632	0.9917	1.0001	1.0011
34	300,	0.7907	0.8439	0.9459	0.9928	0.9992
	900,	0.8401	0.8856	0.9625	0.9951	0.9993
	2100,	0.8731	0.9113	0.9713	0.9960	0.9991
35	300,	0.8074	0.8588	0.9555	0.9941	0.9998
	900,	0.8623	0.9030	0.9727	0.9971	1.0003
	2100,	0.8969	0.9292	0.9822	0.9989	1.0010
36	300,	0.7002	0.7674	0.9083	0.9870	0.9984
	900,	0.7433	0.8083	0.9295	0.9905	0.9988
	2100,	0.7791	0.8385	0.9418	0.9924	0.9988
37	300,	0.6563	0.7215	0.8784	0.9809	0.9978
	900,	0.7030	0.7716	0.9120	0.9890	1.0002
	2100,	0.7441	0.8121	0.9337	0.9939	1.0021
38	300,	0.6412	0.7089	0.8771	0.9808	0.9979
	900,	0.7171	0.7803	0.9167	0.9878	0.9984
	2100,	0.7803	0.8341	0.9402	0.9914	0.9984
39	300,	0.5952	0.6592	0.8310	0.9701	0.9967
	900,	0.6766	0.7342	0.8784	0.9800	0.9970
	2100,	0.7333	0.7859	0.9079	0.9853	0.9969
40	300,	0.6117	0.6831	0.8546	0.9751	0.9974
	900,	0.6587	0.7341	0.8908	0.9838	0.9994
	2100,	0.6968	0.7725	0.9155	0.9694	1.0011
41	300,	0.4733	0.5342	0.7451	0.9497	0.9944
	900,	0.5124	0.5832	0.8005	0.9652	0.9955
	2100,	0.5543	0.6312	0.8419	0.9731	0.9943
42	300,	0.4742	0.5350	0.7331	0.9374	0.9924
	900,	0.5187	0.5888	0.7950	0.9612	0.9975
	2100,	0.5712	0.6485	0.8471	0.9779	1.0026
43	300,	0.4713	0.5237	0.7101	0.9269	0.9910
	900,	0.5110	0.5723	0.7665	0.9468	0.9916
	2100,	0.5601	0.6261	0.8135	0.9590	0.9904
44	300,	0.5187	0.5720	0.7645	0.9528	0.9949
	900,	0.5591	0.6178	0.8121	0.9675	0.9977
	2100,	0.6057	0.6698	0.8565	0.9783	0.9998
45	300,	0.4078	0.4480	0.6167	0.8835	0.9843
	900,	0.4328	0.4772	0.6583	0.9107	0.9903
	2100,	0.4702	0.5170	0.7002	0.9321	0.9955
46	300,	0.4239	0.4657	0.6739	0.8874	0.9826
	900,	0.4636	0.5307	0.7186	0.9146	0.9887
	2100,	0.5052	0.5720	0.7518	0.9300	0.9896
47	300,	0.3265	0.3766	0.5650	0.8696	0.9831
	900,	0.3347	0.3917	0.6141	0.9061	0.9907
	2100,	0.3514	0.4168	0.6660	0.9319	0.9962
48	300,	0.2807	0.3412	0.5469	0.8664	0.9828
	900,	0.3002	0.3682	0.5984	0.8942	0.9859
	2100,	0.3319	0.4041	0.6467	0.9142	0.9879
49	300,	0.3206	0.3801	0.6047	0.8800	0.9838
	900,	0.3209	0.3850	0.6184	0.8901	0.9845
	2100,	0.3240	0.3872	0.6385	0.9031	0.9862
50	300,	0.4546	0.5154	0.7206	0.9310	0.9915
	900,	0.4667	0.5316	0.7450	0.9445	0.9954
	2100,	0.4851	0.5531	0.7683	0.9527	0.9971
51	300,	0.3949	0.4356	0.5983	0.8726	0.9830
	900,	0.4054	0.4480	0.6177	0.8827	0.9839
	2100,	0.4249	0.4694	0.6449	0.8945	0.9847
52	300,	0.3907	0.4223	0.5682	0.8522	0.9802
	900,	0.4175	0.4469	0.5932	0.8770	0.9841
	2100,	0.4537	0.4810	0.6309	0.9059	0.9883
53	300,	0.1884	0.2078	0.3129	0.5722	0.9016
	900,	0.1920	0.2108	0.3238	0.6175	0.9201
	2100,	0.1986	0.2174	0.3431	0.6663	0.9316
54	300,	0.2234	0.2359	0.3114	0.4998	0.8561
	900,	0.2303	0.2424	0.3235	0.5372	0.8828
	2100,	0.2517	0.2618	0.3531	0.5900	0.8997
55	300,	0.4435	0.4675	0.6116	0.8900	0.9868
	900,	0.4352	0.4704	0.6186	0.9089	1.0103
	2100,	0.4149	0.4768	0.6320	0.9517	1.0706
56	300,	0.5259	0.5416	0.6342	0.8962	0.9832
	900,	0.5356	0.5530	0.6736	0.9188	0.9887
	2100,	0.5577	0.5780	0.7093	0.9463	0.9946
57	300,	0.4245	0.4352	0.5216	0.7773	0.9692
	900,	0.4287	0.4397	0.5304	0.7899	0.9717
	2100,	0.4386	0.4503	0.5479	0.8070	0.9741
58	300,	0.8485	0.8521	0.8611	1.0253	1.0042
	900,	0.8522	0.8620	0.8907	1.0304	1.0110
	2100,	0.8621	0.8801	0.9075	1.0383	1.0204
59	300,	0.2508	0.2572	0.3158	0.7748	0.9592
	900,	0.2525	0.2578	0.3200	0.8100	0.9682
	2100,	0.2572	0.2614	0.3303	0.8459	0.9731
60	300,	0.9796	0.9808	0.9817	0.9980	1.0012
	900,	0.9795	0.9808	0.9815	0.9977	1.0015
	2100,	0.9791	0.9817	0.9822	0.9982	1.0027
61	300,	0.9994	0.9995	0.9989	0.9998	1.0004
	900,	0.9994	0.9990	0.9983	0.9991	0.9999
	2100,	0.9994	0.9988	0.9981	0.9988	0.9997
62	300,	1.0002	1.0002	1.0001	1.0000	1.0000
	900,	1.0002	0.9995	0.9994	0.9993	0.9994
	2100,	1.0002	0.9990	0.9989	0.9989	0.9989
63	300,	0.9972	0.9974	0.9984	0.9996	0.9997
	900,	0.9972	0.9968	0.9978	0.9991	0.9991
	2100,	0.9972	0.9964	0.9974	0.9987	0.9987
64	300,	0.9572	0.9595	0.9721	0.9934	0.9980
	900,	0.9572	0.9591	0.9717	0.9932	0.9977
	2100,	0.9572	0.9590	0.9716	0.9932	0.9976
65	300,	0.9919	0.9922	0.9930	0.9980	0.9992
	900,	0.9919	0.9922	0.9930	0.9981	0.9992
	2100,	0.9919	0.9922	0.9930	0.9981	0.9992
66	300,	0.9835	0.9843	0.9866	0.9956	0.9986
	900,	0.9835	0.9843	0.9866	0.9957	0.9987
	2100,	0.9835	0.9843	0.9866	0.9958	0.9987
67	300,	0.9294	0.9319	0.9436	0.9807	0.9958
	900,	0.9294	0.9319	0.9436	0.9808	0.9958
	2100,	0.9294	0.9319	0.9436	0.9809	0.9958
68	300,	0.7548	0.7570	0.7674	0.8775	0.9790
	900,	0.7548	0.7570	0.7674	0.8777	0.9790
	2100,	0.7548	0.7570	0.7674	0.8779	0.9790
69	300,	0.6940	0.6945	0.6948	0.6935	0.9237
	900,	0.6940	0.6945	0.6948	0.6938	0.9237
	2100,	0.6940	0.6945	0.6948	0.6942	0.9237
70	300,	0.9889	0.9889	0.9897	1.0081	1.0104
	900,	0.9889	0.9889	0.9897	1.0079	1.0104
	2100,	0.9889	0.9889	0.9897	1.0078	1.0104

Table A-5.5 (continued)

GROUP	T(K)	FR 0.	10.	100.	1000.	10000.
26	300.	0.0810	0.5590	0.9279	0.9921	0.9991
	900.	0.0809	0.5583	0.9284	0.9922	0.9991
	2100.	0.0806	0.5597	0.9292	0.9923	0.9991
27	300.	0.8412	0.5654	0.9262	0.9917	0.9988
	900.	0.8446	0.5650	0.9271	0.9919	0.9988
	2100.	0.8458	0.5653	0.9276	0.9919	0.9988
28	300.	0.8643	0.5925	0.9263	0.9916	0.9986
	900.	0.8704	0.5914	0.9263	0.9916	0.9986
	2100.	0.8740	0.5910	0.9264	0.9916	0.9986
29	300.	0.8690	0.6213	0.9181	0.9906	0.9985
	900.	0.8760	0.6210	0.9182	0.9907	0.9985
	2100.	0.8803	0.6198	0.9182	0.9907	0.9985
30	300.	0.7737	0.6374	0.8924	0.9873	0.9980
	900.	0.7780	0.6411	0.8938	0.9875	0.9980
	2100.	0.7797	0.6420	0.8946	0.9877	0.9981
31	300.	0.7935	0.7500	0.8997	0.9881	0.9980
	900.	0.7897	0.7527	0.9005	0.9883	0.9980
	2100.	0.7854	0.7535	0.9012	0.9884	0.9980
32	300.	0.8423	0.7591	0.8721	0.9844	0.9974
	900.	0.8518	0.7675	0.8748	0.9850	0.9974
	2100.	0.8565	0.7725	0.8764	0.9853	0.9975
33	300.	0.9162	0.8366	0.8674	0.9834	0.9970
	900.	0.9192	0.8440	0.8697	0.9839	0.9970
	2100.	0.9204	0.8481	0.8705	0.9841	0.9970
34	300.	0.6194	0.6710	0.8102	0.9751	0.9959
	900.	0.6346	0.6787	0.8131	0.9759	0.9960
	2100.	0.6379	0.6833	0.8159	0.9766	0.9960
35	300.	0.8384	0.8490	0.8423	0.9799	0.9962
	900.	0.8468	0.8591	0.8433	0.9803	0.9962
	2100.	0.8572	0.8663	0.8437	0.9805	0.9962
36	300.	0.5742	0.6387	0.7672	0.9685	0.9949
	900.	0.5826	0.6437	0.7694	0.9695	0.9950
	2100.	0.5958	0.6518	0.7710	0.9699	0.9951
37	300.	0.5984	0.6997	0.7616	0.9644	0.9943
	900.	0.5897	0.6916	0.7635	0.9666	0.9946
	2100.	0.5930	0.6887	0.7655	0.9680	0.9947
38	300.	0.6979	0.7265	0.7507	0.9652	0.9945
	900.	0.7081	0.7313	0.7475	0.9657	0.9945
	2100.	0.7087	0.7309	0.7446	0.9658	0.9945
39	300.	0.6189	0.6514	0.6842	0.9535	0.9933
	900.	0.6708	0.6919	0.6882	0.9559	0.9935
	2100.	0.7238	0.7276	0.6915	0.9572	0.9937
40	300.	0.7126	0.8325	0.7430	0.9627	0.9945
	900.	0.6623	0.8179	0.7472	0.9648	0.9946
	2100.	0.6589	0.8232	0.7487	0.9655	0.9947

GROUP	T(K)	FR 0.	10.	100.	1000.	10000.
41	300.	0.4145	0.4743	0.5502	0.9139	0.9881
	900.	0.4372	0.4976	0.5670	0.9247	0.9895
	2100.	0.4721	0.5311	0.5826	0.9312	0.9902
42	300.	0.8290	0.8766	0.7169	0.9523	0.9918
	900.	0.8166	0.8690	0.7028	0.9513	0.9918
	2100.	0.7882	0.8456	0.6877	0.9499	0.9917
43	300.	0.7647	0.8016	0.7093	0.9445	0.9904
	900.	0.7166	0.7849	0.7123	0.9469	0.9907
	2100.	0.6860	0.7812	0.7164	0.9491	0.9910
44	300.	0.6606	0.7126	0.6772	0.9357	0.9890
	900.	0.6389	0.7149	0.6841	0.9375	0.9893
	2100.	0.6680	0.7307	0.6909	0.9393	0.9895
45	300.	1.1032	1.1008	0.8261	0.9545	0.9908
	900.	1.0638	1.0680	0.8139	0.9511	0.9905
	2100.	0.9777	1.0041	0.7936	0.9474	0.9901
46	300.	0.3094	0.4122	0.5457	0.8909	0.9835
	900.	0.3166	0.4181	0.5580	0.8930	0.9838
	2100.	0.3452	0.4449	0.5771	0.8965	0.9843
47	300.	0.7134	0.4892	0.5212	0.8429	0.9771
	900.	0.6428	0.4800	0.5294	0.8489	0.9784
	2100.	0.5833	0.4759	0.5424	0.8553	0.9795
48	300.	0.2748	0.3647	0.5688	0.8454	0.9777
	900.	0.2570	0.3401	0.5671	0.8468	0.9784
	2100.	0.2361	0.3103	0.5555	0.8461	0.9786
49	300.	0.1125	0.3120	0.7253	0.9008	0.9852
	900.	0.1076	0.3027	0.7428	0.9034	0.9856
	2100.	0.1058	0.2998	0.7619	0.9068	0.9861
50	300.	0.6755	0.6879	0.8136	0.9170	0.9861
	900.	0.6919	0.7045	0.8258	0.9167	0.9861
	2100.	0.7355	0.7419	0.8421	0.9172	0.9862
51	300.	0.6027	0.6190	0.6388	0.8601	0.9783
	900.	0.6127	0.6265	0.6609	0.8581	0.9782
	2100.	0.6193	0.6270	0.6529	0.8548	0.9779
52	300.	2.3471	2.0441	1.2472	0.9039	0.9828
	900.	2.1868	1.9457	1.2397	0.8999	0.9825
	2100.	2.0629	1.8748	1.2404	0.8962	0.9822
53	300.	0.0568	0.0865	0.2787	0.6660	0.9447
	900.	0.0655	0.0986	0.3011	0.6797	0.9482
	2100.	0.0812	0.1188	0.3322	0.6968	0.9521
54	300.	0.1198	0.1347	0.1453	0.3798	0.8554
	900.	0.1300	0.1447	0.2005	0.3930	0.8688
	2100.	0.1588	0.1745	0.2342	0.4075	0.8791
55	300.	0.1688	0.2096	0.4876	0.7560	0.9609
	900.	0.1755	0.2178	0.5053	0.7602	0.9615
	2100.	0.1877	0.2326	0.5349	0.7681	0.9628

GROUP	T(K)	FR 0.	10.	100.	1000.	10000.
56	300.	1.4736	1.4518	1.1923	0.7980	0.9662
	900.	1.5130	1.4868	1.2054	0.7969	0.9664
	2100.	1.5791	1.5445	1.2270	0.7976	0.9667
57	300.	0.3926	0.3863	0.3911	0.5196	0.9182
	900.	0.4014	0.3952	0.4003	0.5194	0.9180
	2100.	0.4173	0.4114	0.4159	0.5200	0.9181
58	300.	0.6712	0.6848	0.7890	0.6496	0.9398
	900.	0.6546	0.6684	0.7721	0.6467	0.9386
	2100.	0.6603	0.6741	0.7742	0.6487	0.9382
59	300.	2.1583	2.1553	2.0090	0.9301	0.9693
	900.	2.2065	2.2031	2.0488	0.9332	0.9687
	2100.	2.2855	2.2770	2.0934	0.9338	0.9676
60	300.	1.0742	1.0853	1.1663	1.0185	0.9814
	900.	1.0747	1.0860	1.1691	1.0260	0.9814
	2100.	1.0757	1.0875	1.1739	1.0347	0.9814
61	300.	0.9488	0.9552	1.0145	1.0050	0.9808
	900.	0.9488	0.9553	1.0150	1.0096	0.9809
	2100.	0.9489	0.9554	1.0158	1.0148	0.9809
62	300.	0.8833	0.8885	0.9413	0.9891	0.9795
	900.	0.8833	0.8884	0.9424	0.9921	0.9795
	2100.	0.8833	0.8885	0.9416	0.9954	0.9795
63	300.	0.8387	0.8423	0.8880	0.9739	0.9788
	900.	0.8386	0.8423	0.8880	0.9759	0.9788
	2100.	0.8386	0.8423	0.8881	0.9781	0.9788
64	300.	0.4634	0.4947	0.6630	0.9217	0.9730
	900.	0.4633	0.4946	0.6629	0.9231	0.9730
	2100.	0.4633	0.4946	0.6629	0.9247	0.9730
65	300.	0.7980	0.7979	0.7905	0.9325	0.9733
	900.	0.7980	0.7980	0.7907	0.9337	0.9733
	2100.	0.7980	0.7981	0.7910	0.9351	0.9733
66	300.	0.7479	0.7491	0.7498	0.9062	0.9701
	900.	0.7479	0.7491	0.7499	0.9072	0.9701
	2100.	0.7479	0.7491	0.7500	0.9083	0.9701
67	300.	0.5842	0.5866	0.6011	0.8354	0.9620
	900.	0.5842	0.5866	0.6012	0.8363	0.9620
	2100.	0.5842	0.5866	0.6012	0.8372	0.9620
68	300.	0.4082	0.4038	0.3605	0.5452	0.9115
	900.	0.4082	0.4038	0.3605	0.5460	0.9115
	2100.	0.4082	0.4038	0.3605	0.5469	0.9115
69	300.	0.4119	0.4096	0.3845	0.1847	0.7333
	900.	0.4119	0.4096	0.3845	0.1858	0.7333
	2100.	0.4119	0.4096	0.3845	0.1869	0.7333
70	300.	1.0737	1.0727	1.0621	0.5883	0.6878
	900.	1.0737	1.0727	1.0621	0.5940	0.6878
	2100.	1.0737	1.0727	1.0621	0.6000	0.6878