

Chapter 2

p34 in the neutron utilization section, replace “fissile” with “fuel” in two places.

p41 Fig. 2.4, replace y-axis label with “ $Env(E)$, eV/cm^2s ” and remove “Flux $\equiv nv$ ” from title.

Chapter 3

p44 in Eq. (3.2), remove “s” subscript from Σ .

p50 in the first of Eqs. (3.26), the exponent is “ $-|x-x'|/L$ ”.

p61 in Optimum Geometries section, replace “radius a” with “diameter d” and replace the power “2” with the power “3” on $(\pi/2)$.

p62 in the third line the term should be “ $(\nu\Sigma_f - \Sigma_a)$ ”.

p64 in the line following Eq. (3.84), it should be “ $L_R^2 = D_R/\Sigma_{aR}$ ”.

p66 in first line the RHS should be “ $-D_R \left(\frac{R_0}{L_R} \coth \frac{R_{lex} - R_0}{L_R} + 1 \right)$ ”.

p70 in the numerator of the 3rd definition of F for spherical geometry it should be “ $\tanh(r_F/L_F)$ ”.

p87 Eq. (3.148), the first integral is over “ (dx') ” not (dx) .

p87 Eq. (3.150), insert a “1/2” before the integral.

P88 Eq. (3.154), in 2nd line replace ϕ_n with “ ϕ_{n+1} ” under the sum; in the 3rd and 5th lines insert a “1/2” before the integrals.

p89 Eq. (3.162), insert “ $\Sigma_{ii}\Sigma_{ij}$ ” after the [...] at the end.

p90 in first line replace “ $(\mu = \cos \theta)$ ” with “ $(\mu$ is the cosine of the angle made by the line R with respect to the normal to the y-z plane in Fig. 3.9)”.

p91 Eq. (3.172) in the first line should be “ Σ_{s_0} ” instead of Σ_{s_0} .

p93 Eq. (3.179) in the first line should be “ Σ_{s_0} ” instead of Σ_{s_0} .

p93 in line just above Eq. (3.184) should be “(3.176)”.

p94 Eq. (3.186) right side should be “ $\phi_0(x_s - \epsilon)$ ”.

P94 Eq. (3.188) insert the symbol “ \approx ” before the summation sign.

Chapter 4

p101 line above Eq. (4.1) should be dE ”.

p101 Eq. (101) the cross-section in last integral should be “ Σ_f ”.

P104 in 2nd line below Eq. (4.9) replace 4% with “0.4%”.

p137 Eq. (4.105) in denominator replace $S_f^{(1)}$ with $S_f^{(0)}$.

Chapter 5

p147 Eq. (5.5) the cross section in first term on right should be “ Σ_f ”.

p171 3rd line above Eq. (5.100), remove “ ν ” from Eq. for P .

p175 Fig. 5.4 title, replace " $W_M = \frac{1}{4}S$ " with " $\omega_M = \frac{1}{4}s$ ".

p192 Problem 5.4, replace " $\alpha_0 = -100s^{-1}$ " with " $\alpha_0 = -200s^{-1}$ ".

Chapter 6

p199 Eqs. (6.1) 3rd from bottom of page, the cross-section should be " σ_a^{37} ".

p245 Problem 6.1, replace "absorption" with "fission" in 4th line.

p245 Problem 6.2, η^5 should be η^{25}

p246 Problem 6.5 replace " $\Delta\rho = 0.001cm^{-1}$ " in last line with " $\Delta\rho = 0.002cm^{-1}$ ".

Chapter 9

p320 Eq. (9.58), insert " $\Sigma_{it}\Sigma_{ij}$ " after the [...] at the end.

Chapter 10

p396 Fig. 10.3, replace y-axis label with " $Env(E), eV/cm^2s$ ".

Chapter 12

p 466 Eq. 12.58 there should be a paren around term in denominator ($V(x) + \Sigma_{a0}$)

Chapter 16

p603 Eq 16.21a, there should be a " λ_0 " before first term on right.

