

Errata: *Nuclear Reactor Physics and Engineering*

May 29, 2023

	<u>Incorrect</u>	<u>Correct</u>
1. Page xiv, line 4 from bottom	rector	reactor
2. Page 55, line 19	[NDS18]	Move after [Mug84]
3. Page 62, line 4 below Eq. (3.4)	$[\text{cm}^{-2}\text{s}^{-1}(\text{cm}\cdot\text{s}^{-1})^{-3}]$	$[\text{neutron}\cdot\text{cm}^{-2}\text{s}^{-1}(\text{cm}\cdot\text{s}^{-1})^{-3}]$
4. Page 62, line 5 below Eq. (3.4)	$[\text{cm}^{-3}\text{s}^{-1}]$	$[\text{neutron}\cdot\text{cm}^{-3}\text{s}^{-1}]$
5. Page 62, last line	$[\text{cm}^{-2}\text{s}^{-1}]$	$[\text{neutron}\cdot\text{cm}^{-2}\text{s}^{-1}]$
6. Page 63, line 3 below Eq. (3.7)	$[\text{cm}^{-2}\text{s}^{-1}(\text{cm}\cdot\text{s}^{-1})^{-1}]$	$[\text{neutron}\cdot\text{cm}^{-2}\text{s}^{-1}(\text{cm}\cdot\text{s}^{-1})^{-1}]$
7. Page 63, line 4 below Eq. (3.7)	$[\text{cm}^{-2}\text{s}^{-1}]$	$[\text{neutron}\cdot\text{cm}^{-2}\text{s}^{-1}]$
8. Page 63, line 7 below Eq. (3.7)	$[\text{cm}^{-3}\text{s}^{-1}]$	$[\text{neutron}\cdot\text{cm}^{-3}\text{s}^{-1}]$
9. Page 67, line 13	$[\text{cm}^{-3}\text{s}^{-1}(\text{cm}\cdot\text{s}^{-1})^{-3}]$	$[\text{neutron}\cdot\text{cm}^{-3}\text{s}^{-1}(\text{cm}\cdot\text{s}^{-1})^{-3}]$
10. Page 67, line 2 below Eq. (3.22)	$[\text{cm}^{-3}\text{s}^{-1}]$	$[\text{neutron}\cdot\text{cm}^{-3}\text{s}^{-1}]$
11. Page 68, line below Eq. (3.25)	$[\text{cm}^{-3}]$	$[\text{nucleus}\cdot\text{cm}^{-3}]$
12. Page 201, Example 8.2, line 2	reactivity	neutron source
13. Page 248, Eq. (9.93)	$\psi(\xi,y)$	$\psi(\xi, y)$
14. Page 254, insert after [Heb07] Probability Tables Method for Treating Unresolved Neutron Resonances in Monte-Carlo Calculations,” <i>Nucl. Sci. Eng.</i> 49 , 450 (1972).		[Lev72] L.B. Levitt, “The
15. Page 254, insert after [Liu15] Comments on the Probability Table Method,” <i>Nucl. Sci. Eng.</i> 61 , 286 (1976).		[Nik76] M.N. Nikolaev, “Com-
16. Page 299, Eq. (11.68)	alpha1	α_1
17. Page 343, Eq. (12.31)	$\frac{n-1}{2}$	$\frac{N-1}{2}$
18. Page 349, second full paragraph, last line	useful	applicable
19. Page 353, Eq. (12.56)	A_1	λ_1^*

20. Page 369, insert after [Dri90]		[Dru07] K. Drudy, Westinghouse Electric Company, private communication, March 2007.
21. Page 387, Table 13.2	ρg	$\rho \mathbf{g}$
22. Page 425, line 9	an empirical	empirical
23. Page 447, Eq. (13.166)	$\frac{\partial \tau_{ij}}{\partial x_j} - \frac{\partial p}{\partial x_i}$	$\frac{\partial \bar{\tau}_{ij}}{\partial x_j} - \frac{\partial \bar{p}}{\partial x_i}$
24. Page 447, line 4 from bottom	Cda16	CDA16
25. Page 451, Problem 13.2	DCD	the design control document (DCD)
26. Page 476, line before Table 15.1	\$4.6~5.9	\$4.6~5.9B
27. Page 476, last line	financial	financing
28. Page 480, second paragraph, line 6	\$6 kgHM	\$6/kgHM
29. Page 480, Example 15.1, (e)	0.95	0.93
30. Page 482	15.3.4 Decommissioning Cost	15.3.4 Decommissioning Cost and Levelized Cost of Electricity
31. Page 497, line 8 from bottom	[Mor82]	[Mor84]
32. Page 531, line 8 from bottom	ALP	ALPS
33. Page 534	Example 16.3	Example 16.4
34. Page 539 line 13	[Mor74]	Move after [Moo99]
35. Page 567, second full paragraph, last line	[Hof17]	[Hof16]
36. Page 571	[Hof17]	[Hof16]
37. Page 580, Note, line 2	coefficient,	coefficient