

Erratum to: Thermodynamics In Nuclear Power Plant Systems

Bahman Zohuri and Patrick McDaniel

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B. Zohuri and P. McDaniel, Thermodynamics In Nuclear Power Plant Systems, DOI 10.1007/978-3-319-13419-2

The publisher regrets to inform the omission of the problem file from the volume in the first printing, as well as the below mentioned errors which were spotted by the author.

1. Page v, Line 4: “Ben Pollared” should read “Colonel Ben Pollard”
2. Page xxii, Line 23: “adjunct and research” should read “research”
3. Page xxii, Line 29: “Phillips Laboratory has” should read “Phillips Laboratory’s”
4. Page xxii, Line 37: “McDanile hold” should read “McDaniel holds”
5. Page xxii, Line 39: “Purde” should read “Purdue”
6. Page 151, Line 27: “volume it occupies at” should be “volume they occupy at”
7. Page 157, Equation 6.23: “(v - - b)” should be “(v - b)”
8. Page 160, Equation 6.32: “k = 5/3” should be “ $\gamma = 5/3$ ”
9. Page 160, Equation 6.33: “K = 9/7” should be “ $\gamma = 9/7$ ”

The online version of the original book can be found under
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10. Page 160, 2nd line from bottom: “for k of $7/5$ ” should be “for γ of $7/5$ ”
11. Page 162, 2nd line above 6.7: “This end the” should be “This ends the”
12. Page 166, Line 20: “than the other does.” should be “than the other.”
13. Page 170, Line 6: “ kT ” should be “ $k_B T$ ”
14. Page 173, End of Paragraph 7.1: “More statements that are elegant” should be “More rigorous statements”
15. Page 173, 2nd line from bottom: “it is virtually to transfer” should be “it is virtually impossible to transfer”
16. Page 175, Line 2: “and produces heat” should be “and transfers heat”
17. Page 176, Line 7: “No process is reversible, but a process can reversed if the energy losses are so small as to be negligible” should be “No real process is reversible, but a process can be treated as reversible if the energy losses are so small as to be negligible.”
18. Page 177, Line 4: “form” should be “from”
19. Page 185, Line 19: “are listed in Appendix B and Appendix 9(Bahman)” should be “are listed in Appendices A.8 and A.9”
20. Page 186, Line 170: “QH” should be “ Q_H ”.
21. Page 187, Line 11: “Does this cycle the” should be “Does this cycle satisfy the”
22. Page 189, Example 7.9: both times “below” should be “above”
23. Page 203, Line 10: “Prof. Leonard K. Nash, Dover, 2006, bases this discussion on the excellent text, “Elements of Statistical Thermodynamics [1–4].” should be “This discussion closely follows the excellent text “Elements of Statistical Thermodynamics by L. K. Nash, Dover 2006 [1–4].”
24. Page 203, Line 21, “~1020” should be “~10 <superscript> 20”
25. Page 206, Line 4: “and the curve get” should be “and the curves get”
26. Page 210, Equation 9.5: “ $\ln(N!) \sim N \ln(N) - N$ ” should be “ $\ln(N!) \sim N \ln(N) - N$ ”
27. Page 211, Line 20: “one atom from level n to level l ” should be “one atom from level n to level m ”
28. Page 218, Line 8: “WX and WY” should be “ W_x and W_y ”
29. Page 219, Line 15: “Therefore, b must have the” should be “Therefore β must have the”