 Corrections to First Printing

Compiled Feb 2016

Pxvii line -8. “Chapter 11” → “Chapter 11 [now 14]”
Pxvii line -2. “Chapter 13” → “Chapter 13 [now 16]”
P20 Problem 1.8, line 2 “100” → “10”
P58 Problem: 3.5 “time difference” → “distance”
P58 Problem 3.6. Replace whole problem by “Derive the results of Problems 4 and 5 using the invariant interval Δs².”
P59 Problem 3.16. Add “The nominal solar luminosity equals 3.8x10²⁶ W.”
P93 Fig. legend “tankα and cotkα” → “katankα and kacotkα”
P107 Problem 5.11 should be omitted on reprinting because it is essentially identical to 5.10.
P165 line -10 “chapterChapter 3” → “Chapter 3”
P181 equation (8.28) delete minus sign
P188 Problem 8.3. “Problem 1” → “Problem 2”
P243 Problem 10.4. In the equation “4π” → “8π”
P271 Problem 11.11 as set has no non-trivial solution. To change to a soluble problem, replace “a” by “a/2” in line 3 (twice) and line 4.
P292 last line “2l/(2l+1)” → “2/(2l+1)”
P294 line 18 “worked example 1.3” → “should be “Worked Example 12.3”
P297 Problem 12.7 Add “Assume a to be small compared with other lengths in the problem.”
P298 Problem 12.10 In equation “ln” → “ln/2”
P298 Problem 12.12 “0.8” → “3.5” and “1.2” → “2.7”.
P313 Legend to Figure 13.2 Replace with

“The left-hand photo (courtesy GE) shows a commercial magnetic resonance imaging system, including patient table, for medical diagnostics. On the right we show cross sections of two types of superconducting wire, manufactured by Oxford Superconducting Technology. The superconducting NbTi alloy is in the form of thin filaments within a ~ 1 mm diameter copper matrix. This gives a copper-to-superconductor ratio of 1:1, but embedding the wire in a solid copper channel, as in the top photo, increases the ratio to 10:1 to 20:1 for the most commonly used option, and gives superior performance for some applications.”

P322 Problem 13.6 “Chapter 12, Problem 8” → “Chapter 12, Problem 14”
P364 Problem 15.4 “Worked Example 12.3” → “Worked Example 15.2”
P385 line 6 “chapter 4” → “Chapter 7”
P403 line 14. “Chapter 1” → “Chapter 4”
Note: negative line numbers count from the foot of the page.