

Medical Imaging Signals and Systems (2e)

Jerry L. Prince and Jonathan M. Links

Copyright © 2015, 2006, by Pearson Education, Inc., 1 Lake Street, Upper Saddle River, NJ 07458

Errata, Version 2.02, October 23, 2014

This errata applies to the first printing of the second edition. The first printing can be identified by looking on the copyright page (on the back of the title page) and finding the following text:

10 9 8 7 6 5 4 3 2 1

The last number of the sequence 10 9, . . . , 1 is the printing — in this case, 1, the first printing.

In the bulleted items below, entries starting with an asterisk are errors that should be corrected. Entries without an asterisk are either typographical corrections or corrections related to clarity.

Part I: Basic Imaging Principles

Page 3: In the very first line of text the phrase “radio frequency waves” should be replaced by “radio frequency signals”.

Chapter 5: Projection Radiography

* **Page 177:** In Problem 5.12, the second 1-D function listed in the problem description should have the subscript 2, not 1. In other words, the displayed equation should look like this:

$$h_1(x) = e^{-x^2/5} \quad h_2(x) = e^{-x^2/10}$$

Chapter 7: The Physics of Nuclear Medicine

* **Page 253:** In problem 7.8(a), the equation relating the decay factor DF to the half-life is missing a minus sign. The equation should look like this:

$$DF = e^{-0.693t/T_{1/2}}.$$

Chapter 5: Projection Radiography

Page 272: In the 11th line of the paragraph below Equation (8.12) the word “second” should be replaced by the word “third”. In other words, the line should read:

radioactive sources as they appear on the detector plane. The third factor is

Chapter 13: Magnetic Resonance Imaging

* **Page 493:** In the caption of Figure P13.8, it should say “See Problem 13.16”, not 13.6.

* **Page 496:** In Problem 13.29 part (a), it should say “Can you think of a method to image the object?” The word “image” was left out by mistake.