Corrections, Clarifications and Other Improvements for the Second Edition as of **February 11, 2015**

Problem 11.12, p. 225

a) Add the sentence: See (13.19) in Problem 13.2.

Problem 12.7, pp. 244-245

b) Replace the factor $N_y / 2 \rightarrow N_y / 2 - 1$

g) iii) Replace (i) $\rightarrow$ (1), (ii) $\rightarrow$ (2)

Problem 13.2, p. 266

b) Replace (13.17). $\rightarrow$ (13.17) and (13.19).

Table 15.1, p. 337

Replace SNR $\rightarrow$ SNR/voxel in the top row of labels

Problem 15.16

Add the sentence: See Ch. 20 for a discussion of geometric distortion.

Equation (18.5), p. 450

cosθ factor is missing in the second term on the right-hand side of the equation

Equations (18.17) and (18.18), p. 453

The factor of e^{-t_n/T_2} is left understood in both equations.

Problem 18.8, p. 466

The second part of the question should ask to show that the contrast has changed but also how it has changed

Equation (18.63), p. 473

Besides (18.59), this comes from (18.62) instead of (18.61). Note that *I* is the identity matrix. Also, replace

$R_x(\theta)D(T_R) \rightarrow D(T_R)R_x(\theta)$

Problem 19.3, p. 520

c) follows already from a) and b)

Problem 25.12, p. 765

As noted in the hint, the reader has to look ahead for the background needed to do the problem.

Problem 26.14, p. 793

b) It is perhaps clearer to have written the last term as $-(M_n / M_0)\cos\theta$

c) $M_n \rightarrow M_{z,eq}$ in (26.7)

Problem 27.4, p. 832

c) $m/cm^3 \rightarrow gm/cm^3$

Problem 27.8, p. 844

The gradient field magnitude G_0r is only an approximation for the purposes of finding the growth of the energy with r_{DSV}.

Also, the stored energy is the energy; the second question is redundant with the first question about energy behavior.

Problem 27.10, p. 851

The assumption that the magnetic field is constant in magnitude and direction inside does imply the current density given. But the problem asks that the reader start with that current density and show that it gives such a constant field.