

Mark D. Fairchild
COLOR APPEARANCE MODELS
Second Edition

Errata (Last Updated: 1/04/10)

Many of these errors have been corrected in a second printing. Apparently some might be in the second printing that weren't in the first! You might, or might not, find these errors in your copy.

BACK COVER:

The Munsell Color Science Laboratory is at the *Rochester Institute of Technology*, not the *Rochester University of Technology*.

COPYRIGHT PAGE:

"This book was previously publisher by Pearson Education, Inc." should say "This book was previously published by Pearson Education, Inc."

PAGE 17:

First subheading "Trichhromatic Theory" should be "Trichromatic Theory".

PAGE 31:

In the penultimate line, "which to was formerly" should be "which was formerly".

PAGE 45:

In the Staircase Procedures section, " $(0.793 = 0.5)$ " should read " $(0.79^3 = 0.5)$ ".

PAGE 70:

The text after Eq. 3.7 has the script and regular RGB terms reversed and should read "The script terms, *RGB*, define the particular set of primaries and indicate that for different primary sets, different amounts of the primaries will be required to make a match. The terms, RGB, indicate the amounts of the primaries required to match the color and are known as tristimulus values."

PAGE 92:

Figure 4.2 caption, "Brightness-chroma ..." should read "Brightness-colorfulness ...".

PAGE 93:

Figure 4.3 caption, "Brightness-chroma ..." should read "Brightness-colorfulness ...".

PAGE 109:

“PANTONE” likes to write their company name in all capital letters and the details of their systems have changes slightly since the text was originally written (1997). They’d probably really like to see a little ® symbol next to their name as well. The concept has not changed.

PAGE 122:

Mid-page, “power iaw” should be “power law”.

PAGE 153:

In the third line, “possible imagine” should read “possible to imagine”.

PAGE 155: “Left” and “right” are reversed in the discussion of Fig. 8.5(b).

PAGE 175:

In the third line after Eq. 9.21, “lies in the s term” should be “lies in the σ term”.

PAGE 181:

The third paragraph starting with “The Breneman ...” is a repeat from page 177 and should not appear on page 181. No content is missing from page 181.

PAGE 182:

The published MCAT02 matrix in Eq. 9.40 is incorrect (it is a version of the Hunt-Pointer-Estevéz matrix). The correct MCAT02 matrix is as follows. It is also given correctly in Eq. 16.2

$$\mathbf{M}_{CAT02} = \begin{vmatrix} 0.7328 & 0.4296 & -0.1624 \\ -0.7036 & 1.6975 & 0.0061 \\ 0.0030 & 0.0136 & 0.9834 \end{vmatrix} \quad (9.40)$$

PAGE 186:

In Eq. 10.4, \geq should be \leq .

PAGE 203:

In the first line, “44.99°” should be “43.19°”.

PAGE 215:

Eq. 12.28 is a duplicate of Eq. 12.27 (cases of γ should be β)

PAGE 243:

In the third line of text, “three-dimeusional” should be “three-dimensional”.
Equations 14.22 and 14.23 should read as follows.

$$Br = (A_1^2 + T_1^2 + D_1^2)^{1/2} \quad (14-22)$$

$$C = (T_2^2 + D_2^2)^{0.5} / A_2 \quad (14-23)$$

PAGE 249:

Just below Eq. 14.43, “SC” should be “S_C”.

PAGE 250:

Eq. 14.48 should include a square root as shown below.

$$\Delta E_L = \left[(\Delta L_L / l)^2 + \Delta A_L^2 + \Delta B_L^2 \right]^{0.5} \quad (14-48)$$

PAGE 262:

Eqn 15.35 is a copy of Eqn 15.33. Instead Eq. 15.35 should be as follows.

$$D = F - F / \left[1 + 2(L_A^{1/4}) + (L_A^2) / 300 \right] \quad (15-35)$$

PAGE 263:

“Cz” should be “C^z” in step 1.

PAGE 265: In the second line, “or” should be “of”

PAGE 268:

Start of final paragraph: “Equations 16.4 – 16.5” should be “Equations 16.4 – 16.6”

PAGE 268:

Just above Eq. 16.3, “practically” should be “practical”.

PAGE 271:

Two lines above Eqn 16.15: “the are similar” should be “they are similar”

PAGE 281:

In Table 17.1, “Imcomplete adaptation” should be “Incomplete adaptation”.

PAGE 290:

Final paragraph: reference to "Section 15.3" should be "Section 17.3".

PAGE 302:

Third line from bottom: "Illuminantion" should be "Illumination".

PAGE 331

Third line of "Profile Connection Space": "is remains an issue" should be "remains an issue".

PAGE 345:

All four of the b parameters listed for the chromatic CSFs should be positive values; 0.00038 and 0.00367 for the red-green CSF and 0.000004 and 0.10391 for the yellow-blue CSF.

PAGE 379:

CIECAM02, CIECAM97s, CIELAB, & CIELUV should all be indented in the index.