

Errata and Corrections

May 21, 2008

Carsten Steger, Markus Ulrich, and Christian Wiedemann: *Machine Vision Algorithms and Applications*, WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, ISBN: 978-3-527-40734-7.

The locations of the errata and corrections are given by page number, paragraph on the page, and line in the paragraph, by figure captions, or by equation numbers. Partial paragraphs at the top of a page count as one paragraph. If a paragraph contains formulas, each line of the formula is counted as one line. Code blocks in Chapter 4 are counted as separate paragraphs.

Page X, 2nd paragraph, line 1

out

should be

our

Page 25, Formula (2.11)

$$E \sim \frac{t}{A} \sim \frac{t}{F^2}$$

should be

$$E \sim tA \sim \frac{t}{F^2}$$

Page 26, 2nd paragraph, line 9

reducing the f -number by a factor of 2

should be

increasing the f -number by a factor of 2

2 |

Page 39, 2nd paragraph, lines 4–5

a electrostatic

should be

an electrostatic

Page 40, 1st paragraph, line 8

registers;

should be

registers,

Page 52, 5th paragraph, line 5

Figure 2.3

should be

Table 2.3

Page 69, 2nd paragraph, line 1

have been

should be

are

Page 78, 2nd paragraph, line 2

a noise term $n_{r,c}$

should be

noise $n_{r,c}$

Page 95, Formula (3.40)

$$\begin{pmatrix} \cos \alpha & 0 & 0 \\ \sin \alpha & 1 & 0 \end{pmatrix}$$

should be

$$\begin{pmatrix} \cos \theta & 0 & 0 \\ \sin \theta & 1 & 0 \end{pmatrix}$$

Page 105, Caption of Fig. 3.24, line 3

one single

should be

one

Page 118, 2nd paragraph, line 10

Figure 3.37(a)

should be

Figure 3.37(b)

Page 126, 3rd paragraph, line 14

thus $|C(\bar{R})| = 1 + |H(R)|$

should be

we have $|C(\bar{R})| = 1 + |H(R)|$

Page 216, Figure 3.122

Because of printing problems, the result in Figure 3.122(c) is invisible. The result in Figure 3.122(c) is almost identical to the result in Figure 3.120(c).

Page 231, 1st paragraph, line 2

three non-parallel lines

should be

three non-parallel lines that do not intersect in a single point

Page 256, 2nd paragraph, line 9

$$y_i(w^\top x + b) > 0$$

should be

$$y_i(w^\top x_i + b) > 0$$

Page 269, 3rd paragraph, line 1

compact disk

should be

compact disc

Page 281, 1st paragraph, line 4

used;

should be

used,

Page 293, 1st paragraph, line 7

objects.

should be

objects?

Page 309, 4th paragraph, line 5

Figures 4.37(a) and (b) show the result of the closing

should be

Figures 4.37(a) and (b) show the result of the opening

Page 348, right column, line 54

The index entry “CGH, *see* computer-generated hologram” is erroneous and should be disregarded.