

## Errata

**Page 44:** Replace lines 3 and 4 with:

$y$  at  $(x, y)$ ,  $I_x(x, y)$  represents gradient in  $x$  direction at  $(x, y)$ ,  $I_y(x, y)$  represents gradient in  $y$  direction at  $(x, y)$ , and *overbar* implies average in a  $3 \times 3$  neighborhood of  $(x, y)$

**Page 44:** Replace equation (3.1) with:

$$\mathbf{C}(x, y) = \begin{bmatrix} \overline{I_x(x, y)I_x(x, y)} & \overline{I_x(x, y)I_y(x, y)} \\ \overline{I_y(x, y)I_x(x, y)} & \overline{I_y(x, y)I_y(x, y)} \end{bmatrix}, \quad (1)$$

**Page 45:** Replace equation (3.3) with:

$$\begin{vmatrix} \overline{I_x^2} - \lambda & \overline{I_x I_y} \\ \overline{I_y I_x} & \overline{I_y^2} - \lambda \end{vmatrix} = 0, \quad (2)$$

**Page 45:** Replace equation (3.6) with:

$$B = -(\overline{I_x^2} + \overline{I_y^2}) \quad (3)$$

**Page 45:** Replace equation (3.7) with:

$$C = \overline{I_x^2} \overline{I_y^2} - (\overline{I_x I_y})^2. \quad (4)$$

**Page 45:** Replace line after equation (3.7) with

Assuming  $\lambda_1$  and  $\lambda_2$  are the two eigenvalues of  $\mathbf{C}$ ,  $\lambda_1 > \lambda_2$ , and  $k = \lambda_1/\lambda_2$ , Harris and

**Page 45:** Replace equation (3.8) with

$$R = \det(C) - \frac{k}{(k+1)^2} \text{tr}(C)^2. \quad (5)$$

**Page 87:** In step (b) of the algorithm in the middle of the page, replace  $\min(a[i-1, j] + 1, a[i, j-1] + 1)$  with  $\min(f[i-1, j] + 1, f[i, j-1] + 1)$ .

Also, in Step 2 of the same algorithm,  
replace  $\min(a[i, j], a[i + 1, j] + 1, a[i, j + 1] + 1)$  with  $\min(f[i, j], f[i + 1, j] + 1, f[i, j + 1] + 1)$ .

**Pages 145, 146:** Equations (6.4)–(6.7), replace  $x$  with  $X$  and  $y$  with  $Y$ .