

## Image Analysis, Classification and Change Detection in Remote Sensing, Third Revised Edition: Errata

**Page 10, 7th line from bottom**

500 × 500 should read 5000 × 5000

**Page 23, 3rd line**

...where  $\mathbf{I}$  is the  $r \times r$  identity matrix

**Page 40, 3rd Equation**

$$\text{var}(Z) = \int_0^1 (z - 1/2)^2 \cdot 1 \, dz = 1/12.$$

**Page 70, Equations (2.87**

The second equation should read:

$$\sigma_b^2 = \frac{m\sigma^2}{m \sum x(\nu)^2 - (\sum x(\nu))^2}$$

**Page 151, last para**

“shows the logarithm of the eigenvalues” should read “shows the eigenvalues”

**Page 170, near center**

`result = cv.Canny(band, 50, 150)`

**Page 190, 3rd last line**

“Chapters 6 and 9” should read “Chapters 7 and 9”

**Page 417, Definition A.1**

$$\alpha(\mathbf{x} + \mathbf{y}) = \alpha\mathbf{x} + \alpha\mathbf{y}$$

**Page 421, 2nd Equation**

$$\Sigma(\nu + 1)^{-1} = \begin{pmatrix} \mathbf{x}_\nu \\ \mathbf{x}(\nu + 1)^\top \end{pmatrix}^\top \begin{pmatrix} \mathbf{x}_\nu \\ \mathbf{x}(\nu + 1)^\top \end{pmatrix} = \mathbf{x}_\nu^\top \mathbf{x}_\nu + \mathbf{x}(\nu + 1)\mathbf{x}(\nu + 1)^\top$$

**Page 425, line 2**

... component vector  $\mathbf{u} = (u_1, u_2)^\top$