Errata of *An Invitation to 3-D Vision*

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Typos are listed below in the order in which they appear in the book. If you find additional typos in the book, please report to “yima@uiuc.edu,” and your help will be greatly appreciated. We hope that these typos will be corrected in the paper edition.

Page 90, on line 4, “… arg min …” should be “… arg max …”

Page 101, in the equation after (4.46) and before (4.47), the two “f[x]” should be “f[k].”

Page 102, in equation (4.49), “f[x]” should be “f[k].”

Page 130, in Figure 5.8, the black defects in the figure should not be there.

Page 130, in Figure 5.9, “x̂₁” on the right hand side of the figure should be “x̂₂” that represents the second image of the point p.

Page 118, on line 15, “… is less then eight …” should be “… is less than eight …”

Page 139, in step 2 of Algorithm 5.2, “Compute the eigenvalues …” should be “Compute the singular values …”

Page 166, at the end of line 12, “… the unknowns are” should be “… the unknowns are”.

Page 174, on line 18, “(u, v)S = vTSv” should be “(u, v)S = uTSv.”

Page 337, in the first paragraph, “Although constraints …” should be “Constraints …”

Page 347, in the last sentence of the first paragraph, the definition of $H₀ = R₀ + \frac{1}{2}T₀N^T$ should be replaced as $H₀ = \tilde{[R₀(1), R₀(2), T₀]}$ where $R₀(1), R₀(2)$ are the first two columns of $R₀$.

Page 348, in the sentence above equation (10.13), similar to the previous typo, the matrix “$H₀ = R₀ + \frac{1}{2}T₀NT^T$” should be replaced as “$H₀ = \tilde{[R₀(1), R₀(2), T₀]}$” where $R₀(1), R₀(2)$ are the first two columns of $R₀$.

Page 354, in the second paragraph, “… we assume that $R$ is of the form $R = e^{jΩ}$ …” should be “$R = e^{jΩ}$” without the imaginary unit $j$ in the exponent.

Page 354, in the equation, the second column of the matrix, “$\text{Re}(v₂) \sin(α) + \text{Im}(v₂) \cos(α)$” should be “$\text{Re}(v₂) \cos(α) - \text{Im}(v₂) \sin(α)$.”

Page 355, line 6 from the end: “and $T'$ as the x'-axis.” A prime is missing on $T'$ and it should be “and $T'$ as the x'-axis.”

Page 367, in the table 10.2, the matrix $H₀ : R₀ + \frac{1}{2}T₀N^T$ should be replaced by the matrix $H₀ : \tilde{[R₀(1), R₀(2), T₀]}.$
Page 369, in Exercise 10.8, subproblem 1, “..., i.e. $R' = e^{j\theta}$, ...” should be “$R' = e^{i\theta}$,” again without the imaginary unit $j$ in the exponent.

Page 492, the reference [Faugeras and Lustman, 1988] should be in the International Journal of Pattern Recognition in Artificial Intelligence, not PAMI.

Page 500, the reference [Plamer, 1999] should be by “S. E. Palmer,” not “S. E. Plamer.”