Visual Perception from a Computer Graphics Perspective Errata

As of November 16, 2016

page	correction	found by
14	many other ~~ways~~ ways, ...	Ian Ruginski
32	*Caption for Figure 2.4:* density of rods and cone***s***	Brian Petersen
89	$x = \frac{X}{X+Y+Z}$, $y = \frac{Y}{X+Y+Z}$, $z = \frac{Z}{X+Y+Z} = 1 - x - y$ (4.6)	Mukund Raj
96	... with motion affecting ~~the~~ the detectability ...	Kim Neff
97	The diagonal streaks in B are associated with the body of the walker as ***she*** moves from right to left.	Kendal Gifford
97	Figure 5.2 shows the space-time volume resulting from a similar scene in which the camera is panning from ***right to left*** as the person walks.	Mukund Raj
101	... an effect known a***s*** induced motion ...	Kai Moore
115	***Interactive*** computer graphics animations typically are not generated ...	Jessica Lohse
115	... image plan***e*** velocities and spatial detail ...	Matthew Territo
128	The constraints of real-world geometry preclude both a background region visible in the left eye but not in the right appearing to the right of the boundary of the occluding surface, and a background region visible in the right eye but not in the left appearing to the ***left*** of the boundary of the occluding surface. *[The caption of Figure 6.10 states this more clearly than does the in-line text.]*	Mukund Raj
131	... tha***n*** the retinal projection ...	Kim Neff
169	It does not change the angle of declination with respect to other visual information such as the horizon, since the whole of the visual field is ***altered*** by the prisms.	Joel Hough
176	Structural descriptions involve a specification of individual subpatterns making up a texture (called *texture elements*, ~~*textels*~~ ***texels***, or *textons*) ...	Ian Mallett
180	*Caption for Figure 8.5(b):* Individual ~~textels~~ ***texels*** making up the three textures.	Ian Mallett

181	A slant approaching 90° indicates that the surface **normal is near perpendicular to the line of sight.**	Kim Neff
182	For example, Figure 8.8 shows the projected view of a surface marked with uniform-size circular dots, oriented perpendicularly to the line of sight **towards the center of the image**. Figure 8.9 shows the projected view of the same surface, except slanted 60° away from the line of sight **towards the image center**.	Ian Mallett
183	*Captions for Figures 8.8, 8.9, and 8.10:* . . . line of sight **towards the center of the image** . . .	Ian Mallett
254	*In second sentence of caption for Figure 10.15, deleted the second "when". This same error occurs in the caption for Color Plate XI.*	Sean McKenna
257	*Footnote:* Michelson contrast is a measure of contrast that is normalized by the average intensity: $(L_{\max} - L_{\min})/(L_{\max} + L_{\min})$, where . . .	Ian Mallett
280	*Replace the initial text in Section 11.2.1 with:* In the coordinate system used here and in Chapter 7, the center of projection of the image system is fixed at the origin, **with the optical axis oriented in the direction of the positive Z axis. For an imaging system moving with a** translation velocity T and rotational velocity ω around the origin, **the instantaneous velocity** V **of a world point** $P = (X, Y, Z)$ **is:** $$V = -T - \omega \times r \,, \qquad (11.1)$$ where $$T = (U, V, W)^T \,, \quad \omega = (A, B, C)^T, \quad r = P^T \,. \qquad (11.2)$$ In this formulation, the optic flow (u, v) at the image-plane location (x, y) corresponding to the projection of the point in the world P is given by (Bruss & Horn, 1983):	Joel Hough
287	*Caption for Figure 11.6:* A person about **to** enter the drum.	Kyle Gagnon
293	*Caption for Figure 11.7:* **oriented**, not *orientated*.	Kaushik Satyavolu
295	comes **from** surface boundaries	Kim Neff
341, 515	**Wohlschläger**, not *Wohlschläager*.	Kendal Gifford
377	*Caption for Figure 15.8:* . . . permission from the American Psychological Association.*)* [closing parenthesis needed]	Kim Neff
385	*First paragraph, last sentence:* **. . . correspondence, they . . .** , not . . . *correspondence, then they* . . .	Kaushik Satyavolu

395   **Smooth-pursuit eye movements** *[Third sentence from bottom of page] should have been italized.*   Sean McKenna

421   *Page 421, Section 17.3.1, line 4:* ... that they watched unfold **over** time.   Kaushik Satyavolu

439   **expressions were**, not *expressionswere.*   Jake Van Alstyne