

**Errata**  
**Statistical Optics**

September 27, 2005

Location	Currently Reads	Should Read
Page 7, line 5 from bottom	$A$	$\{A\}$
Page 44, 2 lines after Eq. (2.8-21)	$(1, 2, \dots, k)$	$(k + 1, k + 2, \dots, 2k)$
Page 46, line 2 above Eq. (2.9-3)	$\phi$	$\Phi$
Page 52, line 2	$p_{A,\Theta}(a, \theta)$	$p_{A\Theta}(a, \theta)$
Page 57, Prob. 2-5	$\int_{\omega}$	$\int_{\omega}$
Page 81, Line 1	Section 3.3.4	Section 3.3.3
Page 101, line after Eq. (3.8-5)	of $u(t)$	of $u^{(r)}(t)$
Page 115, line 2 before Prob. 3-15	$ \mathbf{v}(t) ^2$	$ \mathbf{v}(t) ^2$
Page 188, Eq.(5.3-5)	$\cdots K_1 K_2 \Gamma_{12}^*(\tau_2 - \tau_1 + \tau)$	$\cdots K_1 K_2 \Gamma_{12}^*(\tau_1 - \tau_2 - \tau)$
Page 249, last line of Eq. (6.1-34)	$\times I_{\mathcal{M}-1/2} \left[ \frac{2\mathcal{P}\mathcal{M}}{(1-\mathcal{P}^2)\overline{W}} \right]$	$\times I_{\mathcal{M}-1/2} \left[ \frac{2\mathcal{P}\mathcal{M}W}{(1-\mathcal{P}^2)\overline{W}} \right]$
Page 267, last line of text	$ \mathbf{J}_{12}(T) $	$\mathbf{J}_{12}(T)$
Page 271, r.h.s. of Eq. 6.2-41	$= \left[ \frac{1-\mu_{12}^2}{K^2} \right]_{\infty}^2$	$= \left[ \frac{1-\mu_{12}^2}{2K^2} \right]_{\infty}^{1/2}$
Page 305, Eq. (7.2-5)	$I_i(u, v) = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} I_S(\alpha, \beta) \cdots$	$I_i(u, v) = \kappa \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} I_S(\alpha, \beta) \cdots$
Page 358, line 5	Holsztanski	Holsztynski
Page 387, last line	$\dots (\Delta y)^{1/2}$	$\dots (\Delta y)^2]^{1/2}$
Page 405, line 2 before Eq. (8.5-5)	maybe	may be
Page 439, Eq. (8.7-9)	$\frac{1}{2}(\bar{\lambda}f\nu)^2 \overline{a^2}$	$\frac{1}{2}(\bar{\lambda}f)^2 \left( \overline{a_X^2 \nu_U^2} + \overline{a_Y^2 \nu_V^2} \right)$
Page 453, Eq. (8.8-26), first line	$\exp \left\{ -6.88 \left( \frac{s}{r_0} \right)^{5/3} \right\}$	$\exp \left\{ -6.88 \left( \frac{ s }{r_0} \right)^{5/3} \right\}$
Page 453, Eq. (8.8-26), second line	$\exp \left\{ -6.88 \left( \frac{s}{r_0} \right)^{5/3} \right\}$	$\exp \left\{ -6.88 \left( \frac{ \bar{r}-\bar{r}' }{r_0} \right)^{5/3} \right\}$
Page 455, line 4	$(D_0/r_0)^2$	$(r_0/D_0)^2$
Page 460, Ref. 8-22	(1966)	(1976)
Page 460, Ref. 8-45	Mach 1977	March 1977
Page 480, line after Eq. (9.2-31)	Section 6.1-1	Section 6.1.1
Page 486, line 15 from bottom	Sir James Jean	Sir James Jeans
Page 491, line 5	object	image
Page 496, line after Eq. (9.4-10)	It is	it is
Page 500, line 3 after Eq. (9.4-22)	Eq. (9.4-22)	Eq. (9.4-21)
Page 517, line 3 before Eq. (9.6-18)	$\mathcal{E}_d$ and the energy spectral density $\hat{\mathcal{E}}_i$	$\hat{\mathcal{E}}_{\lambda}$ and the energy spectral density $\hat{\mathcal{E}}_i$
Page 517, line before Eq. (9.6-18)	and the express	and then express
Page 523, Ref. 9-13	Stegan	Stegun