

Errata to *Radar and Laser Cross Section Engineering*
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Location	Reads as:	Should read as:
p 23, Table 2.2	$\sigma = (\sigma' / p^2)$	$\sigma' = (\sigma / p^2)$
p 30, Eqs 2.39 & 2.40	$\hat{k}_i \cdot \hat{r}$	$\hat{k}_i \cdot \vec{r}$
p 32, Fig 2.13	10λ by 10λ (SOLID)	10λ by 5λ (SOLID)
p 37	$ka \rightarrow 0$	$ka \rightarrow \infty$
p 39, Eq 2.69 (2 places)	$-0.866u, 0.866u, w/2$	$-u/2, u/2, 0.866w$
p 41, 2 nd line of text	$\xi = 2/(r\lambda)$	$\xi^2 = 2/(r\lambda)$
p 43, Fig 2.23	\vec{r}_o , lowest \vec{r}	\vec{r}_{on}, \vec{r}_n
p 53, Eq 2.112	$-jk\eta$	$-jk$
p 54, below Eq 2.118	$\cos\theta_t \approx 0$	$\cos\theta_t \approx 1$
p 67, Eq 2.174 & 2.175	β_z	$-j\gamma_z$
p 68, Fig 2.47 (label)	L^2	L^2, m^2
p 75, Prob 2.4a	$-\hat{k}_i \cdot r'$	$-\hat{k}_i \cdot \vec{r}'$
p 86, Eq 3.4	$\frac{e^{-jkR}}{4\pi R} ds'$	$\frac{e^{-jkR}}{4\pi R}$
p 89, Eq 3.23	$\hat{n} \times \vec{H}_s(\vec{r})$	$\hat{n} \times \vec{H}_i(\vec{r})$
p 93, Eq 3.40	$\vec{J}_n =$	$\vec{J}_x =$
p 94, Eq 3.46	$(\Delta 2)$	$(\Delta / 2)$
p 95, Eq 3.50	$= \sin\theta$	$= -\sin\theta$
p 113, Eq 3.112	$= \times$	\times
p 115, Eq 3.118	$\int \int_{S_m S_n}$	\iint_{S_m}
p 211, 1 st paragraph	that \hat{u}_1	that \hat{u}_1
p 216	order k deg.)	order k^0 .)
p 223, the block of equations at the center of the page should be changed so that ϕ agrees with Fig 5.16	$s'_1 = s' - \frac{w}{2} \sin\phi$ $s'_2 = s' + \frac{w}{2} \sin\phi$ $\phi_1 = \phi + \pi/2$ $\phi_2 = \phi$	$s'_1 = s' + \frac{w}{2} \cos\phi$ $s'_2 = s' - \frac{w}{2} \cos\phi$ $\phi_1 = \phi$ $\phi_2 = \pi - \phi$
p 224, Eq 5.50	e^{-jk^w} (2 places)	e^{-jkw}
p 253	$(Z_L = P_L)$	$Z_L (= P_L)$
p 254, Fig 6.12 (caption)	$\omega =$	$\Omega =$
p 281, 2 nd line	Eq. (6.69)	Eq. (6.70)
p 281, Eq 6.72	\tilde{V}_1	\tilde{v}_1
p 284, last line	\ll	\gg

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Location	Reads as:	Should read as:
p 296, Eq 6.91	$\cdots] \overline{\exp[j2kw(\delta_{mn} - \delta_{pq})]}$	$\cdots] \overline{\exp[j2kw(\delta_{mn} - \delta_{pq})]}$
p 301, Eqs 6.108, 6.110, 6.111, 6.113	$\sum_{n=0}^{\infty}$	$\sum_{n=1}^{\infty}$
p 302, Eq 6.115	$\frac{4k^2 \overline{\delta^2}}{A}$	$\frac{4k^2 \overline{\delta^2} c^2 \pi}{A}$
p 302, Eqs 6.114, 6.115	$\exp(\cdots/n\lambda^2)$	$\exp(\cdots/\lambda^2)$
p 303, Eq 6.117	d_x (numerator & denominator)	$2d_x$
p 303, Eq 6.118	$\exp[jk(\cdots)]$	$\exp[j2k(\cdots)]$
p 308, Prob 6.3	r^2	R^2
p 312, Prob 6.18	Γ_{in}	r_{in}
p 363, Eq 8.1	$\frac{\pi L^2}{8R\lambda}$	$\frac{\pi L^2}{4R\lambda}$
p 380, Eq 9.9	1.22λ	1.02λ
p 381, Eq 9.12	$\frac{8\pi}{\theta_B^2}$	$\frac{16\pi}{\theta_B^2}$
p 391, Ex 9.2	$(0.001), 1.405 \times 10^6$	$(0.001)(.0254), 906.7$
P 400, Fig 9.28 caption	copmputed	computed
p 405, last equation	$\partial \bar{B} / \partial t$	$\partial \bar{D} / \partial t$
p 419, 2 nd equation	$= \sin^{-1}[\sqrt{\epsilon_1/\epsilon_2}] \sin \theta_i > 1$	$= \sqrt{\epsilon_1/\epsilon_2} \sin \theta_i > 1$
p 419, 4 th equation	$\exp(-\alpha_2 z e^{-j\beta_2 x})$	$\exp(-\alpha_2 z) e^{-j\beta_2 x}$
p 422, 6 th equation	$\theta = \tan^{-1}(z/\rho)$	$\theta = \tan^{-1}(\rho/z)$
p 424, 3 rd equation	$-2\rho\hat{\phi} \sin \phi$	$-2\rho\hat{\phi} \sin \phi \cos \phi$
p 437, 1 st equation	0.5 (2 places)	0.707

(updated 5/01)