

# APPLIED ELECTROMAGNETISM, Third Edition, *Shen and Kong*

## Errata

Location	Original	Corrected
p. 20 prob. 1.8(d)	120π)	120π
p. 135, example 5.6	Note that Z <sub>TE</sub> ...	delete this sentence
p. 144, (5.45)	see correct formula for curl A at back cover	
p. 257, prob 7.18	Ψ=0, Ψ=90°	phase=0, phase=90°
p. 389, (11.27)	y <sup>2</sup> (z+d) <sup>2</sup>	y <sup>2</sup> + (z+d) <sup>2</sup>
p. 397, 6th line of Ex. 11.9	this problen	this problem
p. 403, 1st line following (11.47b)	q' = - q'	q' = - q

The following errors have been found in Prints 1-3; they have been corrected since Print 4:

p. 23, last line	square meter	cubic meter
p. 27, 3rd line	$\mathbf{A} \cdot d\mathbf{l}$	$\mathbf{A} \cdot d\mathbf{l}$
p. 44, prob. 2.23	$e^{-jz}$	$e^{-jz}$
p. 81, prob. 3.17	relative dielectric constant	relative permittivity ( $\epsilon / \epsilon_o$ )
p. 90, (4.12)	$k_2$	$k_z$
p. 108, (4.52a)	( $E_o$	$E_o$ (
p. 116, prob. 4.16	Figure 4.16	Figure P4.16
p. 162, (6.16)	$V_+ e^{-jkz} - V_- e^{+jkz}$	$V_+ e^{-jkz} + V_- e^{+jkz}$
p. 183, Fig. 6.19b	$Y_n = j1.57$	$Y_s = -j1.57$
p. 208, prob. 6.21	$Y_{Ln} = -j1.57$	$Y_s = -j1.57$
p. 211, (7.4)	$j\omega\epsilon\Phi$	$j\omega\epsilon\mu\Phi$
p. 254, Figure P7.4	angle $\Delta\phi$	$\Delta\phi$ should be the angle between two dashed lines beyond angle $\phi$
p. 377, prob. 10.13	(10.45)	(10.43)
prob. 10.14	(10.49)	(10.45)
p. 593, ans. 2.1	$\hat{y} \cdot 6\mathbf{z}$	$\hat{y}, 6\mathbf{z}$
p. 593, ans. 2.19	$j\omega$	$i\omega$
p. 594, ans. 4.11	$\mu_1^2$	$\mu_1^2$ )
p. 595, ans. 9.5	$10^{-5}$	$10^{-3}$
p. 596, ans. 16.17(a)	$\ddot{T}$	$\mathbf{T}$

Please notify Dr. L. C. Shen if you discover other errors in this book. Thank you.  
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