Errata to First Printing
Fundamentals of Polarimetric Remote Sensing
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Page	Location	Recommended Change
21 + 22	Equation 3.1 and 3.3	Change $\mathcal{E}_x$ to $\mathcal{E}_x(z, t, \lambda)$ and add units of [V/m] at the end
21 + 22	Equation 3.2 and 3.4	Change $\mathcal{E}_y$ to $\mathcal{E}_y(z, t, \lambda)$ and add units of [V/m] at the end
21	5th line from bottom	Change "angular frequency" to "angular temporal frequency [rad/sec]"
21	5th line from bottom	Change "ν" to "$\nu = c/\lambda$"
21	4th line from bottom	Change "$k = \omega/c$" to "$k = \omega/c$ is the angular spatial frequency [rad/m]"
22	Figure 3.1	Add units on **x** and **y** axes of "[V/m]" and on **z** axis of "[m]"
22	Figure 3.1	Change "$\mathcal{E}$" to "$\boldsymbol{\mathcal{E}}$"
23	Figure 3.2	Change two "$\varnothing$" symbols to "ϕ"
23	Line 3	Change "two sources" to "two secondary sources"
23	Line 4	Change "source 1" to "secondary source 1 (SS_1)" and change "source 2" to "secondary source 2 (SS_2)"
23–25	Equation 3.6, 3.7, 3.8, 3.9, and 3.11	Add units of [V/m] at the end
23	Figure 3.3	Change "S_1" to "SS_1" and change "S_2" to "SS_2" to eliminate confusion with Stokes parameters, and change "o" on screen to "o' "
25	Equation 3.12	Change "$= (\mathcal{E}_0^2/2)\cdot I_0$" to "$= \mathcal{E}_0^2/2 = I_0$" and add units of [$V^2/m^2$] at the end
25	Equation 3.14	Add units of [V^2/m^2] at the end
25	2nd line from bottom	Change "$\Delta l = l_1 - l_2$" to "$\Delta l = l_2 - l_1$"
25–26	Equations 3.15a, 3.15b, 3.16, 3.17	Add units of [m^2] at the end
26–27	Equations 3.18, 3.19, 3.22, 3.23	Add units of [m] at the end
27	Equation 3.25	add units of [V/m] at the end
27	Equation 3.26	add units of [V/m] at the end
27	2nd line from bottom	Change "are the phases" to "are the constant phases"
29	Line 2	Change "an ellipse rotated through an angle" to "an ellipse with major axis oriented at an angle"
29	Lines 8 + 17	Change "(cf. Fig. 3.1)" to "(Fig. 3.1)" and change "(cf. Fig. 3.8)" to "(Fig. 3.8)"
29	Line 12	Change "in a single plane." to "in a single plane (Fig. 3.8a)."
29	Last Line	Change "this convention" to "this convention (fixed-plane rotation as seen by the receiver)"
30	Line 1	Change "the opposite convention" to "the opposite convention (rotation as seen by the transmitter)"
31	Line 1 + 2	Change "orientation angle" to "field rotation angle" in 2 places
31	Equations 3.30a, 3.30b, 3.31a, 3.31b, and 3.32	Add units of [V/m] at the end
31	2nd line from bottom	Change "$\phi = \pi/2$ or $\phi = (3/2)\pi$" to "$\phi = \pm\pi/2$"
32	Line 4	Change "$\phi = (3/2)\pi$" to "$\phi = -\pi/2$"

33 + 34	Equation 4.2 and 4.7	Add units of $[V^4/m^4]$ at the end
33–37	Equations 4.3 through 4.6, 4.10 through 4.23	Add units of $[V^2/m^2]$ at the end
34	Line 13	Change "yielding" to "yielding using the four-quadrant arctangent"
35	Line 4	Change "$\phi = (3/2)\pi$" to "$\phi = -\pi/2$"
40	Figure 4.2	Add $S_3 = 0$ to Pickering, Modified Pickering, and Fessenkov's methods
40	Figure 4.2	Change Fessenkov's method to $S_1 = (2/3)\cdot(2\cdot E_{0^\circ} - E_{60^\circ} - E_{120^\circ})$ and $S_2 = -(2/\sqrt{3})\cdot(E_{120^\circ}-E_{60^\circ})$
40	Table 4.1	Add line "S_0 – Always – Never"
41	Figure 4.3 Caption	Change "Stokes Vectors" to "Common Normalized Stokes Vectors"
45	Figure 4.6 Caption	Change "y" to "ψ"
57	Figure 5.5	Change five "∅" symbols to "ϕ"
58	Equation 5.19	Change "$T_\varnothing$" to "$T_\varnothing$" (i.e., 45° sloped line completely inside circle)
59 + 60	Equation 5.28 and 5.29a	Change "$\mathbf{M}_{\varnothing=90}$" to "$\mathbf{M}_{\phi=90^\circ}$"
65	Figure 6.2	Change "$\boldsymbol{L}(\theta_r, \phi_{r0})$" to "$\boldsymbol{L}(\theta_r, \phi_r)$"
67	Equation 6.6b	Make *f* bold (i.e., $\boldsymbol{f}$)
68	Equation 6.7	Add units of $[W/m^2/sr]$
68	Equation 6.8	Add units of $[W/m^2]$
75	3rd line from bottom	Change "Coulson (1998)" to "Coulson (1988)"
85	Equation 6.25	Add arrow notation above $\boldsymbol{E}$ Stokes vector
88	Equation 6.38g	Change to $f_{20} = 2⊛⊘ - ⊛⊛$
103	8th reference	Remove redundant "Nadal, F." author
111	Line 14+15	Change "an error term" to "a residual error term"
168	Line 8	Change "according to" to "according to the modified Pickering method"
169	Line 21	Change "[Gaskill (1979)]" to "[Gaskill (1978)]"
170	Figure 10.3 Caption	Change "BRFV" to "BRVF"
196	Figure 11.6 Caption	Change "of a GPS" to "of a GPS satellite vehicle"
200	Equation 11.3	Change $P(\quad, \sigma, B)$ to $P(\theta_N, \sigma, B)$
245	Line 5 of Author's Bio	Change "Unites States" to "United States"