ERRATA — SECOND EDITION
Principles of Plasma Discharges and Materials Processing
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p. 19, Fig. 1.14: Add labels (a)–(d).
p. 22, line 4: “\(T = 0.026 \text{ V}\)” should be “\(T = 0.026 \text{ V}\).”
p. 29, line 6: “\(a_x v d v_x / dt\)” should be “\(a_x = d v_x / dt\).”
p. 32, Eq. (2.3.14): remove “.” (period) from the equation.
p. 75, line 3: “(3.4.7)” should be “(3.4.6).”
p. 143, Eq. (5.2.38): “\(\nu_z^2\)” should be “\(\nu_z\)”.
p. 144, 2nd line from the last: “to obtain” should be “obtain”.
p. 147, 1st line after Heuristic Solutions: “(5.3.23)” should be “(5.3.7).”
p. 159, line 5: “Fig. 12.10” should be “Fig. 12.12”.
p. 170, Eq. (6.2.11): “\(\frac{du_i}{dx}\)” should be “\(n \frac{du_i}{dx}\).”
p. 174, 3rd line from bottom: “5 \times 10^{-8} \text{ s}” should be “4 \times 10^{-8} \text{ s}.”
p. 177, line 12: “\(E = d\Phi/dx\)” should be “\(E = -d\Phi/dx\).”
p. 195, 5th line of 2nd paragraph: “all to easy” should be “all too easy”.
p. 197, Eq. (6.6.36): “[1 + \left(\frac{\nu_n - \Phi_p}{T_n}\right)^{1/2}]” should be “[1 + \left(\frac{\nu_n - \Phi_p}{T_n}\right)]^{1/2}.”
p. 221, line 4: add a space between “gas,” and “to obtain”.
p. 221, 3rd line after Eq. (7.3.31): “\(\mu_j^0 = \mu_j\)” should be “\(\mu_j = \mu_j^0\).”
p. 224, 1st two lines after the table: “(7.4.9)” and “(7.4.10)” should be exchanged.
p. 244, line 11: “atom” should be “molecule”.
p. 258, 7th line from the last: “state 2” should be “state 3”.
p. 269, 3rd and 4th reactions: “\(AB^*\)” should be “\(AB^+\).”
p. 302, top of the page: add the line “\(\sim a_{\text{eff}}\). An electron with energy \(E_e\) can.”
p. 314, line after Eq. (9.4.11): “(5.2.10)” should be “the equation after (5.2.10).”
p. 317, unnumbered equation for \(\text{AS}(g)\) immediately above Eq. (9.4.29): “\(K_d\)” should be “\(K_r\).”
p. 346, equation after Eq. (10.3.20): “\(T_1 n_e E + T_1 n_- E\)” should be “\(n_e E/T_1 + n_- E/T_1\).”
p. 346, line 8: “(10.3.14)” should be “(10.3.21).”
p. 350, 4th line after Eq. (10.3.37): “(10.3.26)” should be “(10.3.36)”.

p. 361, 4th line from bottom: “43 mTorr” should be “45 mTorr”.

p. 380, Eq. (10.6.31): “$K_{\text{diss}} n_e n_{a0}$” should be “$K_{\text{diss}} n_e$”.

p. 382, Problem 10.2(c), 2nd line: “(10.2.9)” should be “(10.2.4)”.

p. 384, Problem 10.13, 4th line: “12, and 22” should be “and 12”.

p. 408, 2nd line above Example 1: “(11.2.38)” should be “(11.2.35)”.

p. 412, Eq. (11.2.58): “0.59” should be “0.49”.

p. 414, Eq. (11.2.63a): “2e” should be “$2\pi e$” (an error in Misium et al, 1989).

p. 426, last line: “(11.5.6)” should be (11.5.20)”.

p. 431, line 8: “along” should be “along (in the plane of)”.

p. 436, Eq. (11.5.5): “$V_a(t)$” should be “$-V_a(t)$”.

p. 436, Eq. (11.5.6): “$V_b(t)$” should be “$-V_b(t)$”.

p. 439, line 2: “(10.2.8)” should be “(10.2.4)”.

p. 442, 3rd line below Eq. (11.6.3): “(11.5.14)” should be “$V_s = -V(t)$”.

p. 465, 2nd line above Eq. (12.1.8): “(18.5.2)” should be “(18.5.12)”.

p. 467, Fig. 12.2: “$Z$” should be “$Z_s$”.

p. 472, 1st line after Eq. (12.2.6): “cubic” should be “quartic”.

p. 472, 8th line of last paragraph: “(12.1.24)” should be “(12.2.5)”.

p. 475, 2nd line above Fig. 12.6: “(10.4.24)” should be “(10.4.7b)”.

p. 476, 3rd line in 2nd paragraph: “(3.3.7)” should be “from the equation preceding (3.3.7)”.

p. 485, 1st line after Eq. (12.4.3): “0.1 rad” should be “0.02 rad”.

p. 505, line 11: “(10.2.7)” should be “(10.2.12)”.

p. 512, line 3: “(10.2.9)” should be “(10.2.4)”.

p. 521, 4th line from the last: “(10.2.8)” should be “(10.2.13)”.

p. 521, 2nd line from the last: “(10.2.1)” should be “(10.2.9)”.

p. 521, last line: “(10.2.15)” should be “(10.2.11)”, and “(10.2.14)” should be “(10.2.15)”.

pp. 523–24: “$K_\perp$, $K_x$, $K_r$, $K_1$, and $K_\parallel$” should be “$\kappa_\perp$, $\kappa_x$, $\kappa_r$, $\kappa_1$, and $\kappa_\parallel$” wherever they appear in the text and equations.

p. 555, line 6: “(14.4.5)” should be “(14.4.4)”.
p. 557, 1st line of 2nd paragraph: “(14.4.10)” should be “(14.4.13)”.

p. 564, 8th and 10th line from bottom: “target” should be “substrate”.

p. 565, line just above Eq. (14.6.2): “substrate” should be “target”.

p. 566: Equation number “(4.6.10)” should be “(14.6.10)”.

p. 572: “300 nm” in the equation should be “500 nm”.

p. 575, 5th line below Eq. (15.1.13): delete “(dashed curve)”.

p. 591, line 7: “(15.3.7)” should be “(15.3.6)”.

p. 593, Table 15.2, reaction 4: “CF\textsubscript{3}^−” should be “CF\textsubscript{3}^+”.

p. 603, line 7: “copper chloride (CuCl\textsubscript{3}) is” should be “the copper chlorides are”.

pp. 630–33: The equations in Sec. 16.3 were not sequentially numbered; equation number (16.3.2) was inadvertently omitted.

p. 680, line 10: “Kortshagen et al. (1997)” should be “Aliev et al. (1997)”.

p. 689, 1st line after Eq. (18.2.1): “\mathbf{E}_a + \mathbf{E}_h” should be “\mathbf{E} = \mathbf{E}_a + \mathbf{E}_h”.

p. 689, Eq. (18.2.3): “Re” should be “\frac{1}{2} Re”.

p. 689, last line: “due the the” should be “due to the”.

p. 690, line 4: “that” should be “than”.

p. 700, line 15: “localized rf” should be “localized time-varying”.

p. 702, Eq. (18.4.17): “(1 - \mathbf{k} \cdot \mathbf{v})/\omega” should be “(1 - \mathbf{k} \cdot \mathbf{v}/\omega)”.

p. 709, 1st line after Eq. (18.5.12): “collisionless” should be “collisional”.

p. 712, 7th line after Eq. (18.6.4): “versus” should be “various”.

p. 714, 3rd line after Eq. (18.6.6): “(18.3.26)” should be “(18.6.5)”.

p. 718, line 1: “the figure”, should be “Fig. 11.6”.

p. 718, line 1 of the last paragraph: “(18.6.8)” should be “(18.6.12)”.

p. 719, line 4: “(18.6.8)” should be “(18.6.12)”.

p. 719, line 8: “\Phi_0” should be “\mathcal{E} = \Phi_0 \approx 3 \text{ V}”.

p. 734, Eq. (C18): The last “+” sign should be an “=” sign.

p. 751, second line from last: “Thompson ionization” should be “Thomson ionization”.

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