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: "$T = 0.026$ V" should be "T $= 0.026$ V".

p. 29, line 6: "$a_x v \mathrm{d}v_x/\mathrm{d}t$" should be "$a_x = \mathrm{d}v_x/\mathrm{d}t$".

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): "$\frac{\nu_{\mathrm{iz}}^2}{D^2}$" should be "$\frac{\nu_{\mathrm{iz}}}{D}$".

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): "$\dfrac{du_i}{dx}$" should be "$n\dfrac{du_i}{dx}$".

p. 174, 3rd line from the last: "$t = 5 \times 10^{-8}$ s" should be "$t = 4 \times 10^{-8}$ s".

p. 177, line 12: "$E = \mathrm{d}\Phi/\mathrm{d}x$" should be "$E = -\mathrm{d}\Phi/\mathrm{d}x$".

p. 195, 5th line of 2nd paragraph: "all to easy" should be "all too easy".

p. 197, Eq. (6.6.36): "$[1 + \frac{(V_{\mathrm{B}}-\Phi_{\mathrm{p}})^{1/2}}{\mathrm{T}_{\mathrm{e}}}]$" should be "$[1 + \frac{(V_{\mathrm{B}}-\Phi_{\mathrm{p}})}{\mathrm{T}_{\mathrm{e}}}]^{1/2}$".

p. 221, line 4: add a space between "gas," and "to obtain".

p. 221, 3rd line after Eq. (7.3.31): "$\mu_j^{\ominus} = \mu_j$" should be "$\mu_j = \mu_j^{\ominus}$".

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 "$\sim a_{\mathrm{eff}}$. An electron with energy $\mathcal{E}_{\mathrm{e}}$ can".

p. 314, line 2: "given by" should be "given by the equation below".

p. 346, equation after Eq. (10.3.20): "$\mathrm{T}_{\mathrm{i}} n_{\mathrm{e}} E + \mathrm{T}_{\mathrm{i}} n_{-} E$" should be "$n_{\mathrm{e}} E/\mathrm{T}_{\mathrm{i}} + n_{-} E/\mathrm{T}_{\mathrm{i}}$".

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): "$K_{\mathrm{diss}}n_{\mathrm{e}}n_{\mathrm{a0}}$" should be "$K_{\mathrm{diss}}n_{\mathrm{e}}$".

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

p. 414, line 2: "collisionless" should be "collisionless ion".

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. 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. 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: "$K_{\perp}$, $K_{\times}$, K_{r}, K_{l}, and $K_{\parallel}$" should be "$\kappa_{\perp}$, $\kappa_{\times}$, κ_{r}, κ_{l}, 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)".

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): "$\bar{\mathbf{E}}_a + \mathbf{E}_h$" should be "$\bar{\mathbf{E}} = \bar{\mathbf{E}}_a + \bar{\mathbf{E}}_h$".

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

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

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. 712, 5th line of the last paragraph: delete the words "and axial".

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: "Φ_0" should be "$\mathcal{E} = \Phi_0 \approx 3$ V".

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

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