

Error Corrections, “Advanced Transmission Electron Microscopy, Imaging and Diffraction in Nanoscience” by Jian Min Zuo and John C.H. Spence, Springer, 2017, ISBN 978-1-4939-6605-9

For additional error(s), please email jianzuo@illinois.edu or spence@asu.edu or both.

- Page 2, second paragraph, change G.P. Thompson to G.P. Thomson, J.J. Thompson to J.J. Thomson
Page 39, second paragraph to last, change “as shown in Fig. 2.8, illustrates” to “as Fig. 2.8 illustrates”
Page 177, first equation, change $\delta\rho \approx$ to $\delta\theta \approx$
Page 179, line 2, change $\Psi_m(z) = \Psi_0(0)h(z)$ to $\Psi_m(z) = \Psi_m(0)h(z)$
Page 183, line 7, change (7.31) to (7.1)
Page 407, eqn. 13.1, change $\vec{r}_n(\tau)$ to $\vec{r}_n(t)$
Page 543, line 12 from bottom, change Cherns (1974) to (Cherns, 1974)
Page 543, line 9 from bottom, change Tanishiro et al. (1986) to (Tanishiro et al., 1986)
Page 602, above eqn. 19.13, change Kern et al. (1979) to (Kern et al., 1979)

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- Page 149, line 4 of first paragraph, Section 6.2, add “as” after “such”
Page 153, line 2 from eqn. 6.25, change B_p to B.
Page 273, line 4 from Fig. 10.23, change)) to).
Page 274, line below eqn. 10.44, change B_z to B.
Page 518, line 8 from eqn. 15.15, change 1/s to $1/S_g$.
Page 525, line 6 from bottom, delete “to” after “improves”
Page 526, line 2 from bottom, add “by” before “Bragg”
Page 527, line below eqn. 15.22, delete “gives the”

2/5/2017

- Page 1, line 5 from bottom, change the unit of J to J.s.
Page 34, line 5 above Fig. 2.5, delete “For” in “for the”.
Page 35, line 8 from top, delete 2 in $\lambda E/2\Delta E$.
Page 504, Fig. 15.2 caption, delete “and simulation”

4/10/2017

- Page 46, line 8 from bottom, change eqn. to $kr = k\sqrt{z^2 + (X-x)^2 + (Y-y)^2} \approx kR - \frac{x}{\lambda R}X - \frac{y}{\lambda R}Y$
Page 46, equation 2.58, change $e^{2\pi ikr}$ to $e^{2\pi i kR}$
Page 155, line 6 from bottom, change “ $\gamma'(\pi)=0$ and $\gamma(\pi)=1$ ” to “ $\gamma'(\pi)=1/a$ and $\gamma(\pi)=0$ ”
Page 166, line 4 from bottom, add “(7.3) and” before (7.5)
Page 183, line 6, change $\bar{\gamma}^2 u_\alpha^2$ to $\bar{\gamma}^2 u_\gamma^2$

Page 184, line 4, change $L/2 < z < -L/2$ to $-L/2 < z < L/2$

Page 453, eqn. 14.40, change $0.64(\lambda C_s^3)^{1/4}$ to $0.64(\lambda^3 C_s)^{1/4}$