

Errata for the book

J. Gubicza: X-ray line profile analysis in Materials Science, Publisher: IGI-Global, Hershey, PA, USA, ISBN: 978-1-4666-5852-3 (2014).

Page 55: the right form of eq. (3.14) is

$$y(L) = f^2 \left(I + 2\pi i g L \langle \varepsilon \rangle - 2\pi^2 g^2 L^2 \langle \varepsilon^2 \rangle \right).$$

Page 122: the correct form for the average number of lattice planes between adjacent twin faults is

$$\sum_{n=1}^{\infty} n W(n) = \beta_i^{-1}$$

Page 280: the right form of eq. (9.9) is

$$\bar{C}_{hk0}^m \left(I + q_1^m z + q_2^m z^2 \right) b_m^2 = \sum_{i=1}^{ll} f_i \bar{C}_{hk0}^i \left(I + q_1^i z + q_2^i z^2 \right) b_i^2$$