Errata

Introduction to 3-manifolds by Jennifer Schultens

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Page 249, Line -7. In the proof of Lemma 7.7.3, the expression “\(I(c, \alpha_y)\)” is incorrect. It should be replaced by “\(I(c, \alpha_x)\)”.

Page 172, Exercise 1 is incorrect. Instead, it should be “Suppose that \(F = G + H\), \(H\) is an inessential sphere and \(G \cap H\) is connected. Show that \(G\) is isotopic to a subsurface of \(F\)”.


Page 44, Line 4. “\(\mathbb{T}\)” should be “\(\mathbb{T}^2\)” throughout the formula.

Page 48, Proof of Lemma 2.6.2. The expression “\(i(\gamma) = ([\gamma] \cdot [m], [\gamma] \cdot [b])\)” should be “\(i(\gamma) = ([\gamma] \cdot [m], [\gamma] \cdot [l])\)”.

Page 49, Line 5. The expression “simple closed curves \(\beta\) on \(S\)” should be “simple closed curves \(\beta\) on \(\mathbb{T}^2\)”.

Page 51, Lemma 2.6.6, Proof of Lemma 2.6.6 and Lemma 2.6.7. The expression “\(f_2 \cdot f_1(\alpha)\)” should be “\(f_2 \circ f_1(\alpha)\)”.

Page 52, Figure 2.27. Same as above.

Page 53, Definition 2.6.8. The expression “\(\phi(C)\)” should be “\(h(C)\)”.

Page 60, Definition 3.1.11. The expression “\(\sigma : B \to E\)” should be “\(\sigma : B \to M\)”.

Page 83, Line -9. The expression “\(ps + qr = 1\)” should be “\(ps - qr = 1\)”.

Page 92, Line 4. The expression “\(S \in V, S \in S^3\)” should be “\(S \subset V, S \subset S^3\)”.
Page 143, Definition 5.1.1. The expression “Let $K$ be a $k$-simplex” should be “Let $K$ be a simplicial complex”.

Page 180, Line -4. The expression “By Alexander’s Theorem” should be “By Alexander’s Trick (Lemma 2.5.3)”.