Rotman algebraic topology, ed. 4 errata

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0 Introduction

- **Page 9, Exercise 0.12:** The category $\mathcal{M}$ should be the *arrow category*. In particular, the morphisms should be the commutative squares, not merely the pairs (h, k).

- **Page 10, fourth-to-last line above Exercise 0.14:** In the equation for $g(f(x))$, replace both occurrences of $g(a)b$ with $bg'(a)$.

1 Some Basic Topological Notions

- **Page 15, proof of Theorem 1.3:** The first line of the proof is in italics, and almost certainly should not be.

- **Page 30, Exercise 1.34, Part (iv):** The statement that $f : X \to Y$ is *homotopic* to $r \circ i$ should be revised to the statement that $f : X \to Y$ *coincides* with $r \circ i$.

2 Simplexes

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3 The Fundamental Group

- **Page 40, Exercise 3.1:** Immediately preceding the semicolon in the second sentence is the phrase "for $i = 0.1$." The period between 0 and 1 should clearly be a comma.