

# 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  $f : X \rightarrow Y$  is *homotopic* to  $r \circ i$  should be revised to the statement that  $f : X \rightarrow Y$  *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.