

Errata for Elementary Classical Analysis

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Jerrold E. Marsden, marsden@cds.caltech.edu

Michael J. Hoffman, mhoffma@calstatela.edu

This file contains the errata known to us as of the above date for the ninth printing of the 2nd edition (2003). For earlier printings please see the book's web site for the earlier errata lists: <http://www.cds.caltech.edu/marsden/books/> and click on *Elementary Classical Analysis*.

Introduction

- **Page 5.** In the first box, $B \subset S$ should be $B \subset T$

Chapter 3

- **Page 171.** Three lines above Example 3.3, $\varphi(s_k) \in A$ should be $\varphi(s_k) \notin A$

Chapter 5

- **Page 320.** In Exercise 29d,

$$x \sin(1/x) = \frac{x \sin 1}{x},$$

should be

$$f(x) = x \sin(1/x),$$

- **Page 322.** In the second line of Exercise 47, f_n should be f_k

Chapter 6

- **Page 329.** In Figure 6.1-2(a), the axes should be labeled as the x and y axes, not the x_1 and x_2 axes.
- **Page 365.** In line 9 from the bottom, “negative definite” should be “positive definite” and in line 5 from the bottom, “minimum” should be “maximum”.

Chapter 7

- **Page 429.** In line 3 from the bottom of the page, replace \mathbb{R}^n with \mathbb{R}^N , and x_n with x_N in two spots.

Chapter 8

- **Page 468.** In figure 8.6-1, replace the solid vertical lines in the graph with dashed vertical lines.

Chapter 9

- **Page 536.** In Exercise 8a, replace all the ν with v

Chapter 10

- **Page 564.** In figure 10.3-3(a), swap the labels $f(x_0-)$ and $f(x_0+)$
- **Page 570.** In Theorem 10.4.1ii, replace “If f is continuous and of bounded variation,” with “If f is continuous, $f(0) = f(2\pi)$, and f is of bounded variation,”