Errata for Vector Calculus, 5th Edition, 2nd Printing

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This file contains the errata known to us as of the above date for the *second printing* of the 5th edition (2003). The *third printing*, in which these errata are corrected will be released soon.

If you have an earlier printing, please see the book's web sites for the earlier errata list: http://www.cds.caltech.edu/marsden/books/ (and click on *Vector Calculus*).

Historical Introduction

Page xvii, Line 13 from the bottom. "Indus Valley" should be "Ganges Valley"

Chapter 1

Page 58, Line 6 from the bottom. The second $-\mathbf{ki}$ should be $-\mathbf{ik}$.

Chapter 3

Page 232, Line 24. "its corollary" should be "Theorem 9".

Page 236, Third displayed equation. Replace $x = \lambda/2$ with $x = 1/(2\lambda)$ and similarly for y and z. On the next line, replace $\lambda = \pm 2/\sqrt{3}$ with $\lambda = \pm\sqrt{3}/2$.

Page 248, Line 1. Delete the first minus sign on this line.

Chapter 4

Page 313, Exercise 10. $2\sqrt{2}t\,\mathbf{k}$ should be $2\sqrt{2t}\,\mathbf{k}$ (the t should be under the square root sign).

Chapter 6

Page 408, First displayed equation. Swap the subscripts 1 and 2 on the two ϕs.

Page 412, First displayed equation. The denominators of the integrands should be under a square root sign and the upper limit of the integral after the equals sign should be $\sqrt{1+x^2} - \delta$ (change the plus to a minus).

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