

Additions to Second Edition Errata and Comments

December 17, 2002

Once again, many thanks to Harry Hirsch and Len Smiley for pointing out these errors.

Page 392 For consistency, the last line of Equation 3.8.68 should be $\vec{\mathbf{b}}(s(t))$, not $\vec{\mathbf{b}}$.

Page 417 Margin note, third line from the bottom: “introducing them”, not “introducing then”.

Page 426 In the margin note about the error function, the 2π on the left should be $\sqrt{2\pi}$:

$$\frac{1}{\sqrt{2\pi}} \int_0^a e^{-\frac{t^2}{2}} dt = \frac{1}{2} \operatorname{erf} \left(\frac{a}{\sqrt{2}} \right).$$

Page 429 Caption to Figure 4.3.2, last sentence: “The center region is black”, not “The center region of is black”.

Page 472 Last margin note: Definition 2.1.11 does not exist. Column operations are defined by replacing the word “row” in Definition 2.1.1 of row operations by the word “column”.

Page 480 In two places in the first line after Equation 4.8.44, $\operatorname{sgn}(\sigma)$ should be $\operatorname{sgn}(\sigma')$: “and the result follows from $\operatorname{sgn}(\tau^{-1} \circ \sigma') = \operatorname{sgn}(\tau^{-1})(\operatorname{sgn}(\sigma')) = -\operatorname{sgn}(\sigma')$, since ... ”

Page 564 Equation 6.1.23 should be

$$dx_{i_1} \wedge \cdots \wedge dx_{i_k}(\vec{\mathbf{e}}_{j_1}, \dots, \vec{\mathbf{e}}_{j_k}). \quad 6.1.23$$

Equation 6.1.24 should be

$$dx_{j_1} \wedge \cdots \wedge dx_{j_k}(\vec{\mathbf{e}}_{j_1}, \dots, \vec{\mathbf{e}}_{j_k}) = 1. \quad 6.1.24$$

Page 580 Caption to Figure 6.3.1: “we choose a tangent vector field”, not “we choose tangent vector field”.

Page 606 Line 4: clockwise, not counter-clockwise.

Page 607 Line immediately before Equation 6.5.15: “orientation-preserving”, not “orientation-preseving”.

Page 616 Definition 6.6.2, part (2): $\left[\mathbf{D} \begin{pmatrix} \mathbf{f} \\ g \end{pmatrix} (\mathbf{x}) \right]$, not $\left[\mathbf{D} \mathbf{f} \begin{pmatrix} \mathbf{x} \\ g \end{pmatrix} \right]$

Page 619 Caption to Figure 6.6.7, last sentence: “However, the two-dimensional...”, not “However, that the two-dimensional...”.