Selected Errata

Page 41  The example is better with \(-10 < z < 30\) instead of \(-1 < z < 10\)
Page 61  "Near \(z = 1\), the distance up is about 9 times the distance across."
Page 104  Problem 52 should maximize not minimize
Page 206  Change \(v\) to \(M\) in Problem 28
Page 258  Problem 46 is \(\frac{d}{dz} \ln(x + \sqrt{x^2 - a^2}) = \ldots\)
Page 265  Change to \(c = b\varphi_0 K\) in line -3
Page 267  Change to \(y/(c - by)\) in Problem 18
Page 273  Change \(.05n\) to \(.05/n\) in 5 and 6
Page 280  Remove \(\frac{1}{2}\) in Problem 5
Page 310  \(GM = 4 \cdot 10^{14}\) in Problem 34 (otherwise it's a small world)
Page 359  The last read-through question is for \(\int y^2 \, dx\) (not \(ds\))
Page 402  The figure shows \(w = \begin{bmatrix} 1 \\ 3 \\ 1 \end{bmatrix}\) not \(\begin{bmatrix} 1 \\ 3 \\ 1 \end{bmatrix}\)
Page 411  Example 8  Find the nearest point to the origin on the plane
\[x + 2y + 2z = 5\]
Page 429  Equation (8) gives \(A^{-1}d\) not \(A^{-1}u\)
Page 444  Change \(BC\) to \(CB\) in Problem 20
Page 520  Problem 32: Explain why \(\lambda_3 > 0\) and \(\lambda_4 > 0\) and \(f_{\text{min}} = 2\)
Page 526  Change the second part of Problem 3 to \(\int_0^1 \int_0^2 dy \, dx/(x + y)^2\)
Page 540  In Problem 13 find the volume below \(z = \frac{1}{2}\)

In Problem 15 find the volume below the cone \(\sqrt{x^2 + y^2} + z = 1\).