Errata to S. J. Colley, *Vector Calculus*, 3rd ed., first printing

October 5, 2007

p. 55, last line. Replace "$A_{12} = \begin{bmatrix} 1 & 2 & 1 & 3 \\ -2 & 1 & 0 & 5 \\ 4 & 2 & -1 & 0 \\ 3 & -2 & 1 & 1 \end{bmatrix} = \begin{bmatrix} -2 & 0 & 5 \\ 4 & -1 & 0 \\ 3 & 1 & 1 \end{bmatrix}$" with "$A_{12} = \begin{bmatrix} 1 & 2 & 1 & 3 \\ -2 & 1 & 0 & 5 \\ 4 & 2 & -1 & 0 \\ 3 & -2 & 1 & 1 \end{bmatrix} = \begin{bmatrix} -2 & 0 & 5 \\ 4 & -1 & 0 \\ 3 & 1 & 1 \end{bmatrix}$".

p. 150, Exercise 8(b). Replace "your son's" with "the child's".

p. 228, Exercise 33. Insert "of §3.2" after "Example 7".

p. 286, Exercise 10. The exercise should read: "Find the area A of the largest rectangle so that two squares of total area 1 can be placed snugly inside the rectangle without overlapping, except along their edges. (See Figure 4.41.)"

p. 342, Figure 5.100. Replace the label "$y = \sqrt{3x}$" with "$y = \sqrt{3}x$".

p. 379, Exercise 22. Replace "oriented so that the z-coordinate increases as one travels along C" with "oriented counterclockwise around the z-axis (as seen from the positive z-axis)".

p. 397, line −12. Replace "may be any function y and z" with "may be any function of y and z".

p. 425, line 12. Replace "$\mathbf{F}(\mathbf{X}(s,t))\cdot\mathbf{n}(s,t))$" with "$\mathbf{F}(\mathbf{X}(s,t))\cdot\mathbf{n}(s,t)$" (i.e., delete a closing parenthesis in the integrand).