Principles of Linear Algebra With
Mathematica®
Errata

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• (*Thanks to John Davidson*) Page 13, the output of the second and third commands should have the sin functions capitalized as follows:

g /. x→Sin[x]

$9+5\operatorname{Sin}[x]$

f[Sin[x]]

$9+5\operatorname{Sin}[x]$

• (*Thanks to John Davidson*) Page 51, in equation 2.12, the variable w is supposed to be the variable z.

$$x + \left(-\frac{1}{2} + \frac{1}{2}i\right)z = \frac{2}{5} + \frac{3}{10}i$$
$$y + \left(\frac{1}{3} - i\right)z = -\frac{7}{15} - \frac{3}{5}i \tag{2.12}$$
$$0 = 0$$

• (*Thanks to John Davidson*) Page 269, in equation 7.13 the denominators in each component of the vector should be raised to the 3/2 power, not the second power:

$$\frac{d}{dt}\overrightarrow{T}(t) = \left\langle \frac{x''(t)(y'(t))^2 - x'(t)y'(t)y''(t)}{((x'(t))^2 + (y'(t))^2)^{3/2}}, \frac{y''(t)(x'(t))^2 - x'(t)x''(t)y'(t)}{((x'(t))^2 + (y'(t))^2)^{3/2}} \right\rangle \tag{7.13}$$