Introduction to Scientific Programming and Simulation Using R

Errata as of 16 September 2009

p17 l5 "[1] 3 4 4" should be "[1] 2 4 4"

p30 l17 "`show(x)`" should be "`print(x)`"

p175 l6 "$\epsilon/f'(a)$" should be "$\epsilon/|f'(a)|$"

p208 l8 "the slope at **x**" should be "the curvature at **x**"

p211 l3 should be "`# g(a.l) <= g(a.m) and g(a.m) >= g(a.r)`"

p211 l26 "`return(x - a.max*y)`" should be "`return(x + a.max*y)`"

p222 l31 If you wish to subsequently add points and lines to a contour plot, then it is much easier if you use `contour` rather than `contourplot`

p239 l7 "$5 \times 0.0625 = 0.3125$" should be "$1 - (15/16)^5$"

p333 l1 "In R the command `set.seed(seed)` puts you at point `seed` (assumed integer) on the cycle of pseudo-random numbers." should be "For a given value of `seed` (assumed integer), the command `set.seed(seed)` always puts you at the same point on the cycle of pseudo-random numbers."

p338 l16 "$F_X(x) = 2(x-1)$" should be "$F_X(x) = (x-1)/2$"

p371 l6 "$\sqrt{2}\arctan\left(\frac{x}{2}\right)$" should be "$\sqrt{2}\arctan\left(\frac{x}{\sqrt{2}}\right)$"

p397 l10 "$I(u)(v-u)$" should be "$hI(u)(v-u)$"