

# Introduction to Scientific Programming and Simulation Using R

Errata as of 29 May 2009

**p30 117** “`show(x)`” should be “`print(x)`”

**p175 16** “ $\epsilon/f'(a)$ ” should be “ $\epsilon/|f'(a)|$ ”

**p208 18** “the slope at  $\mathbf{x}$ ” should be “the curvature at  $\mathbf{x}$ ”

**p211 126** “`return(x - a.max*y)`” should be “`return(x + a.max*y)`”

**p239 17** “ $5 \times 0.0625 = 0.3125$ ” should be “ $1 - (15/16)^5$ ”

**p333 11** “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 116** “ $F_X(x) = 2(x - 1)$ ” should be “ $F_X(x) = (x - 1)/2$ ”

**p371 16** “ $\sqrt{2} \arctan\left(\frac{x}{2}\right)$ ” should be “ $\sqrt{2} \arctan\left(\frac{x}{\sqrt{2}}\right)$ ”

**p397 110** “ $I(u)(v - u)$ ” should be “ $hI(u)(v - u)$ ”