

Figure 1 Graph of $f(x) = (e^{-\sqrt{x}} [\sin(x)]^2) (2\pi) (1 + x^2 / 4)$

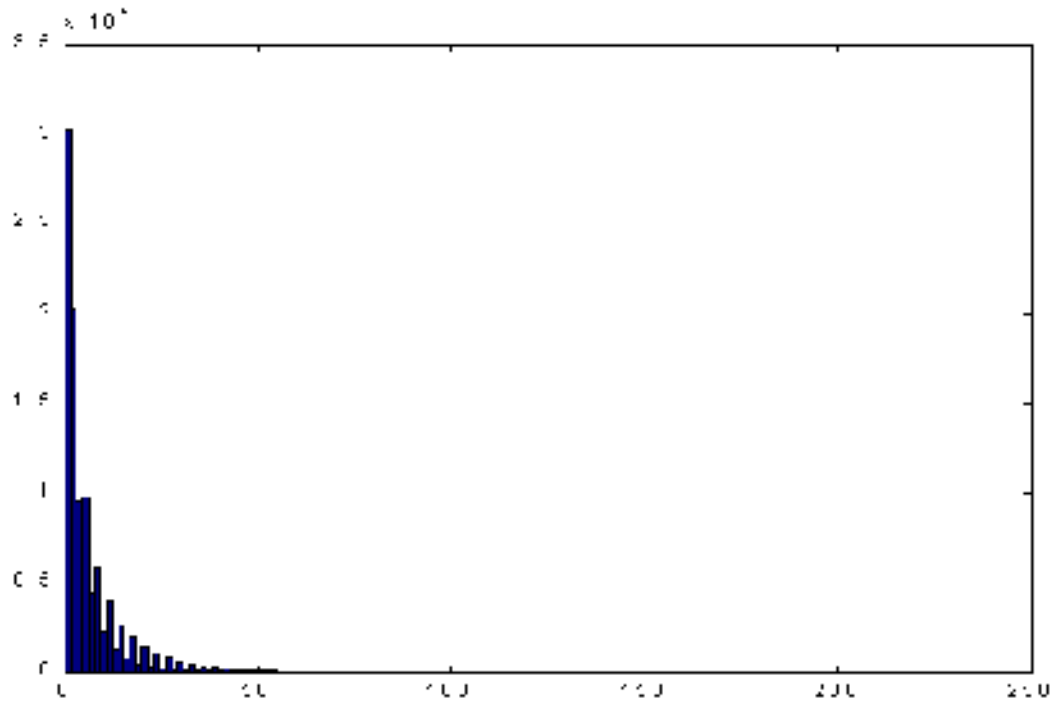


Figure 2 Histogram of 100000 random variables from the density $e^{-\sqrt{x}} [\sin(x)]^2$ generated using the AR algorithm with a Cauchy(0,2) as the candidate density.