SIR using Gillespie's discrete event model  $(v = 1.00 \text{e-} 02, \mu = 0.00 \text{e+} 00, \epsilon = 0.00 \text{e+} 00, I_0 = 1.00 \text{e-} 01, N_{pop} = 5.0 \text{e+} 0)$ 0.040 of infections 0.035 0.030 deviation 0.025 0.020 elative standard 0.015 -0.010 0.005 0.000 0.0 0.1 0.2 0.3 0.5 0.4