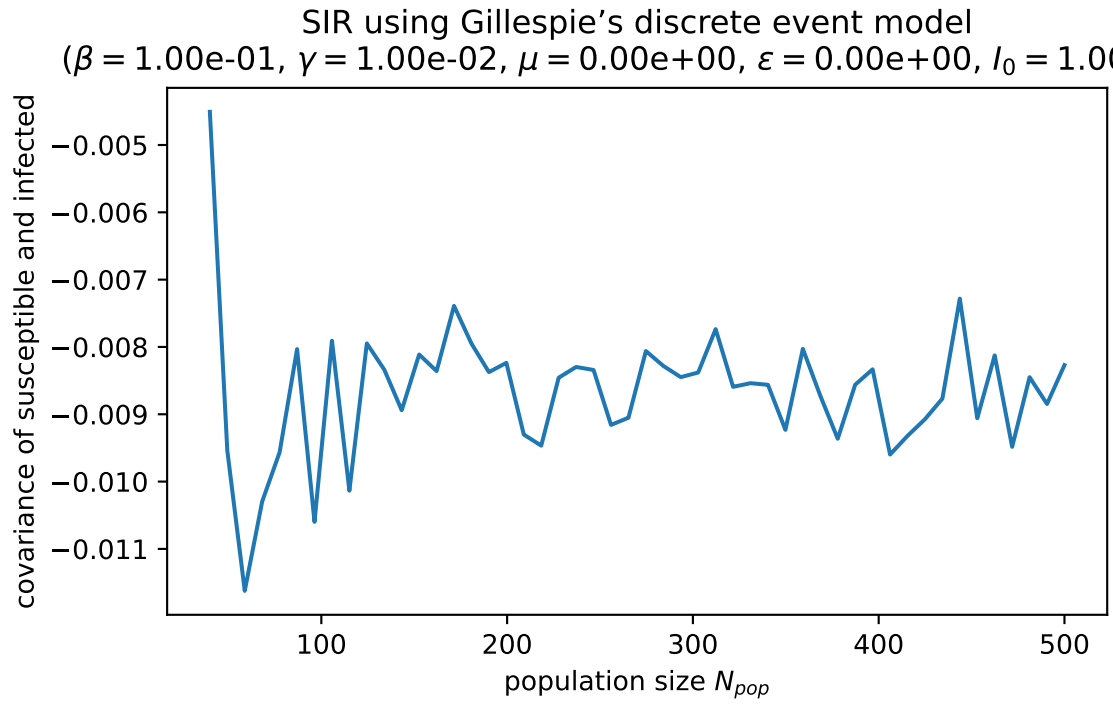
SIR using Gillespie's discrete event model
($\beta = 1.00e-01$, $\gamma = 1.00e-02$, $\mu = 0.00e+00$, $\varepsilon = 0.00e+00$, $I_0 = 1.00e$
covariance of susceptible and infected
−0.005
−0.006
−0.007
−0.008
−0.009
−0.010
−0.011
100
200
300
400
500
population size N_{pop}