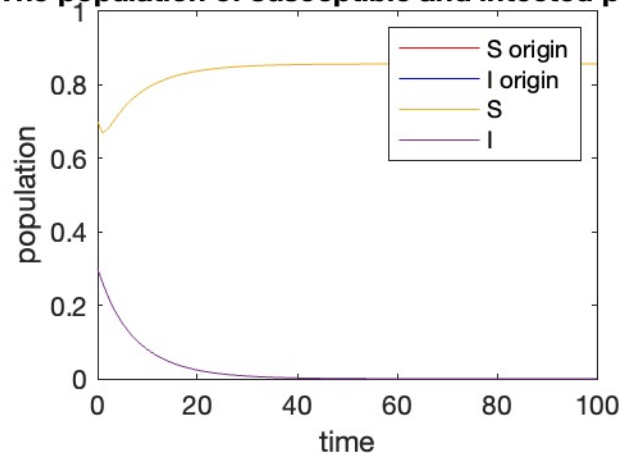
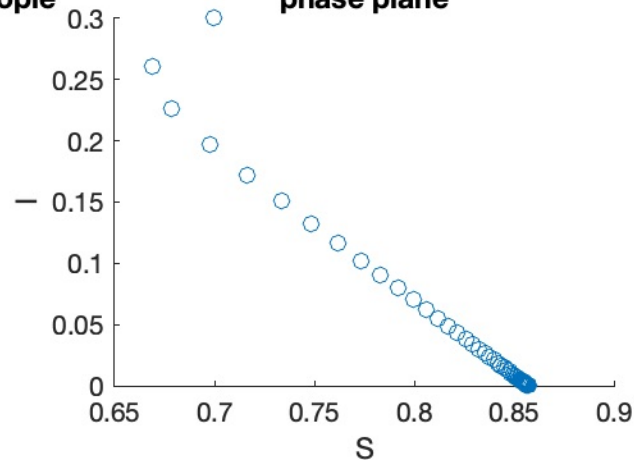


Beta0 = 0.1

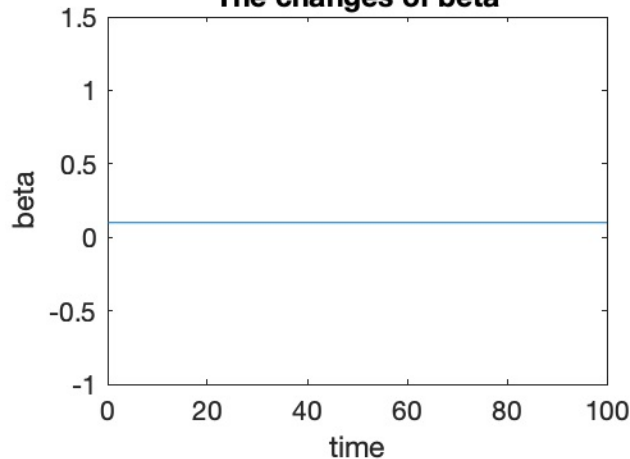
The population of susceptible and infected people



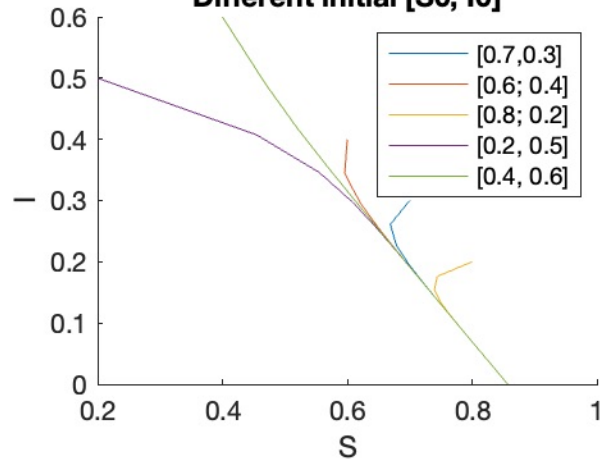
phase plane



The changes of beta

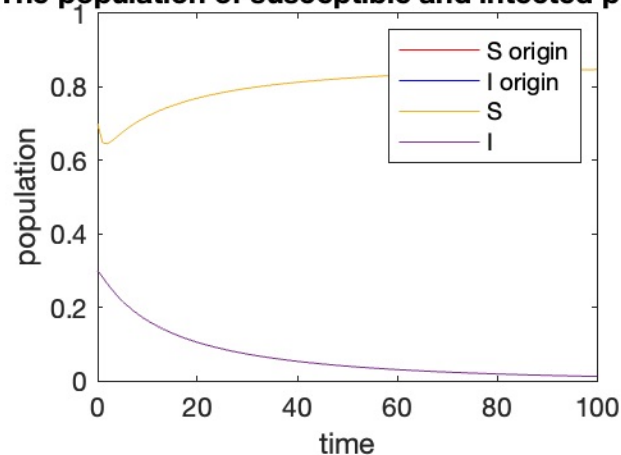


Different initial $[S_0, I_0]$

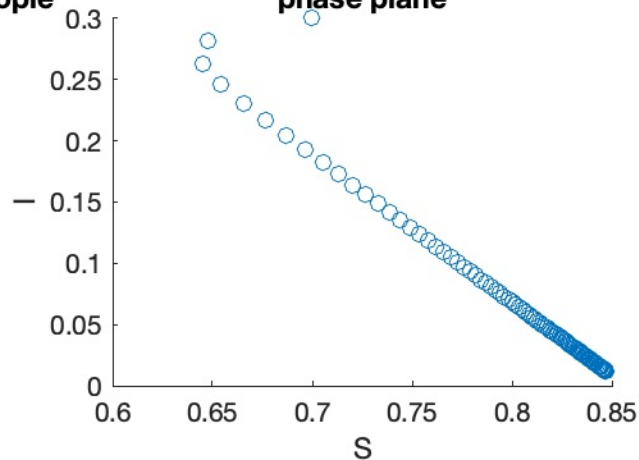


Beta0 = 0.2

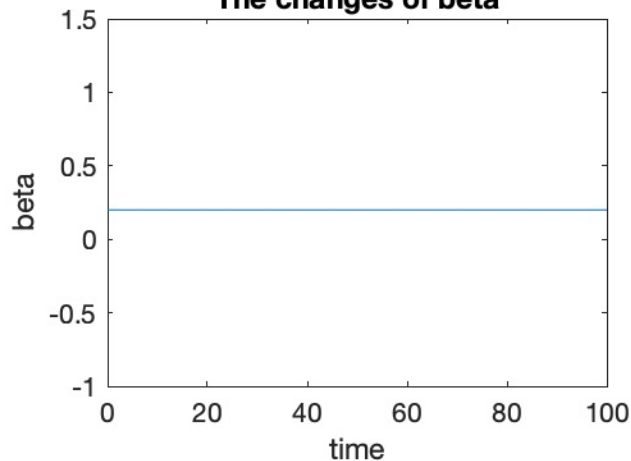
The population of susceptible and infected people



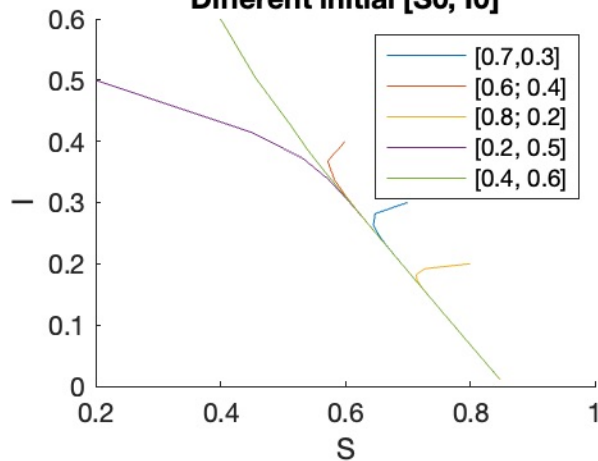
phase plane



The changes of beta

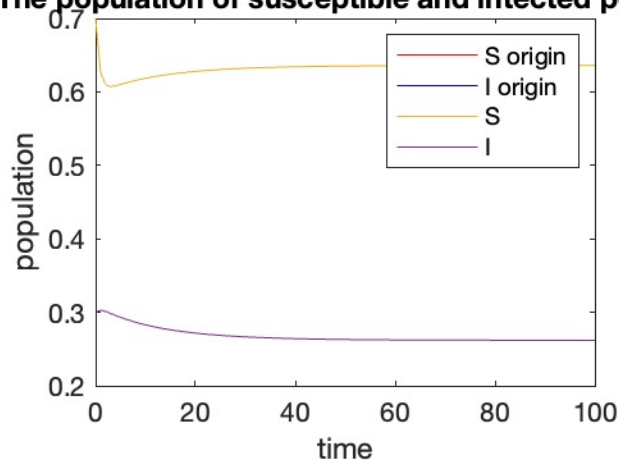


Different initial [S0, I0]

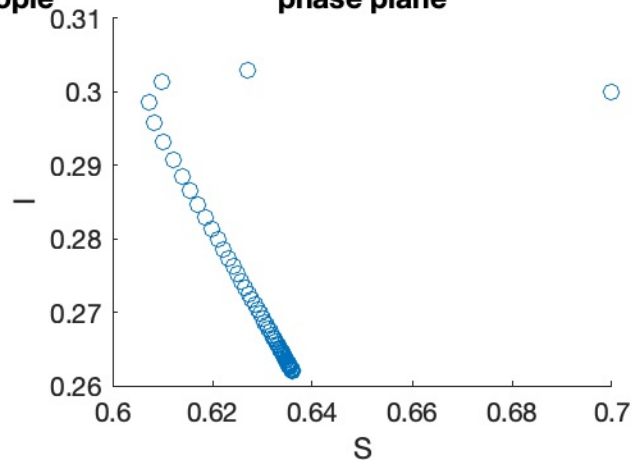


Beta0 = 0.3

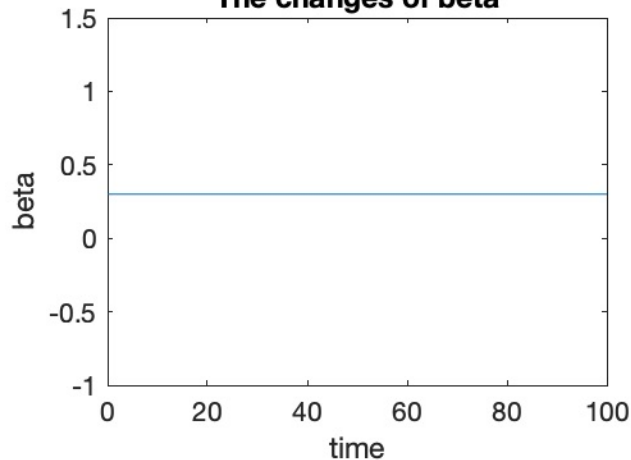
The population of susceptible and infected people



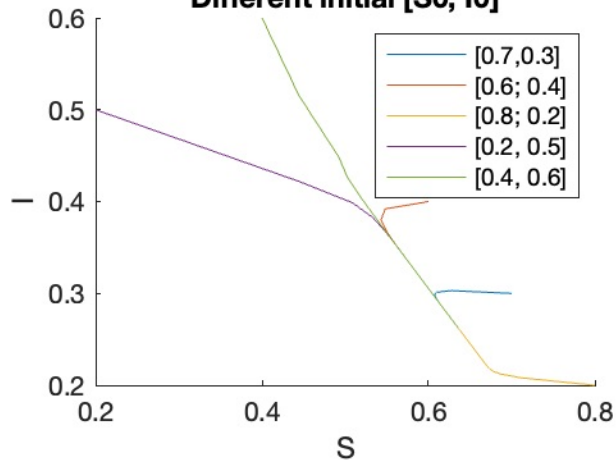
phase plane



The changes of beta

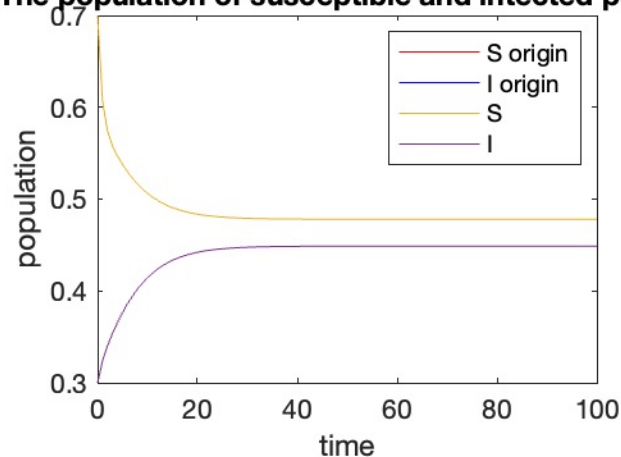


Different initial [S0, I0]

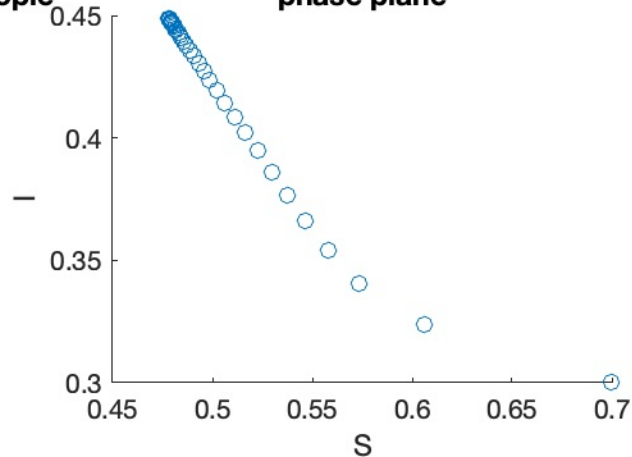


Beta0 = 0.4

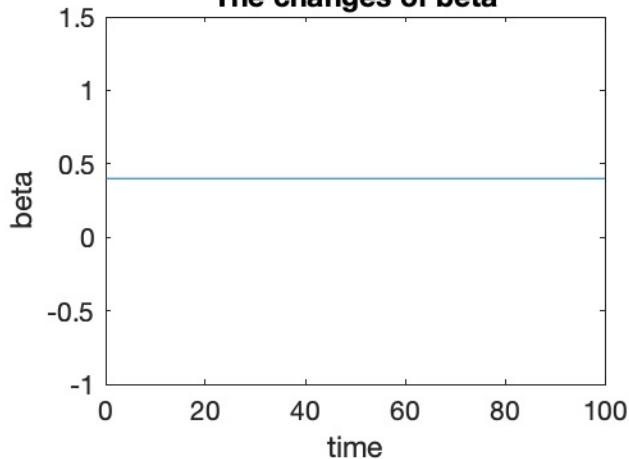
The population of susceptible and infected people



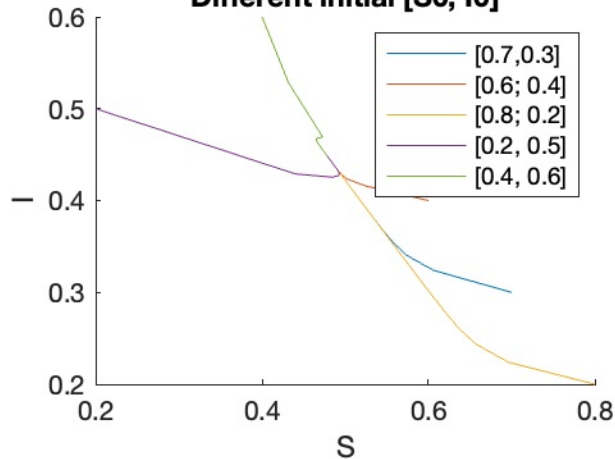
phase plane



The changes of beta

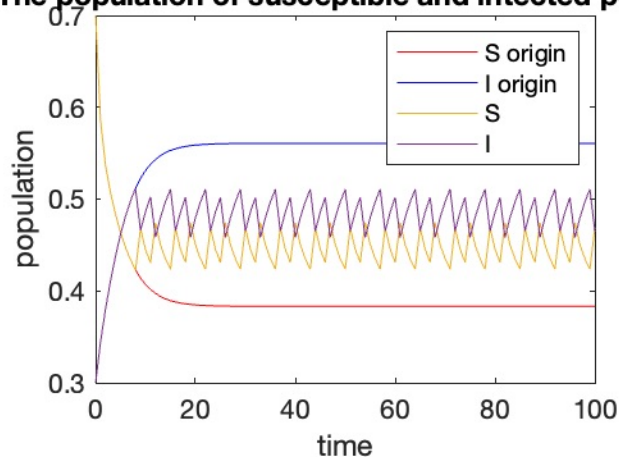


Different initial [S0, I0]

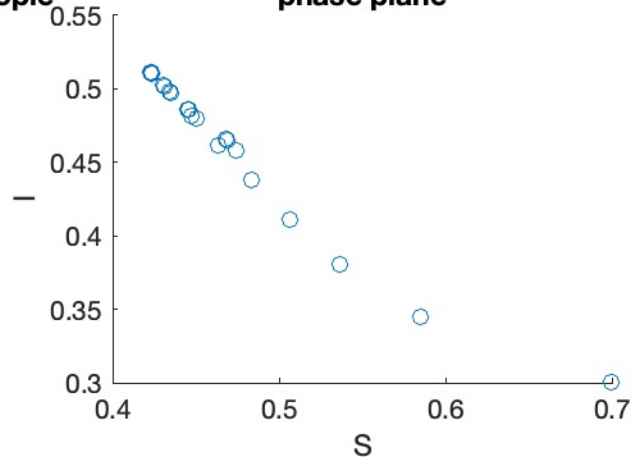


Beta0 = 0.5

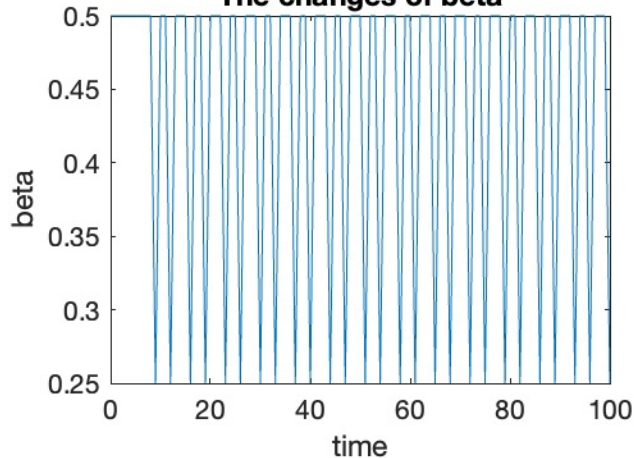
The population of susceptible and infected people



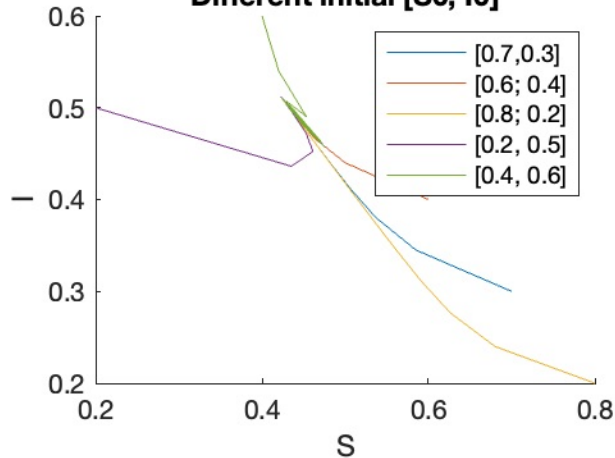
phase plane



The changes of beta

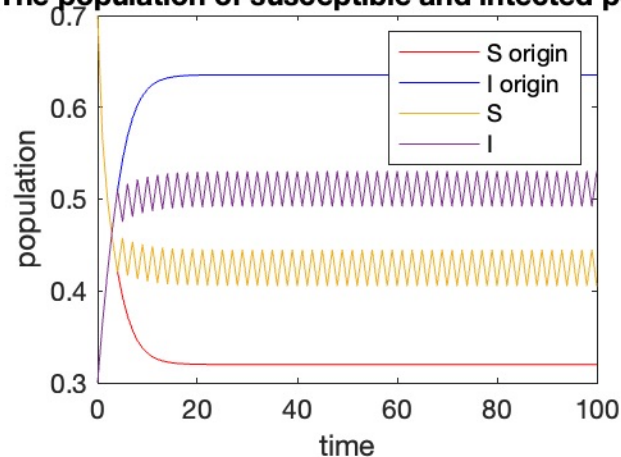


Different initial $[S_0, I_0]$

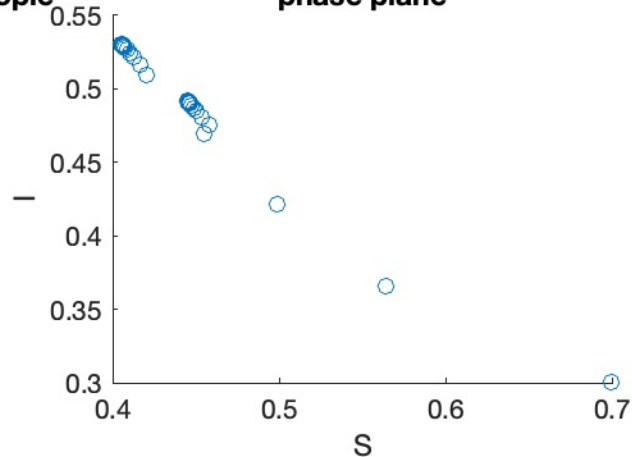


Beta0 = 0.6

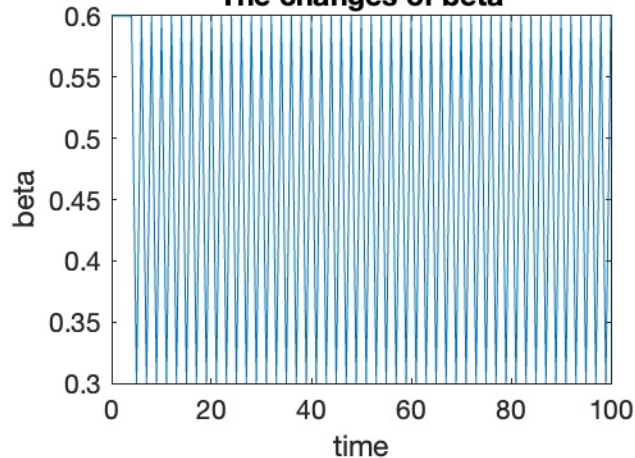
The population of susceptible and infected people



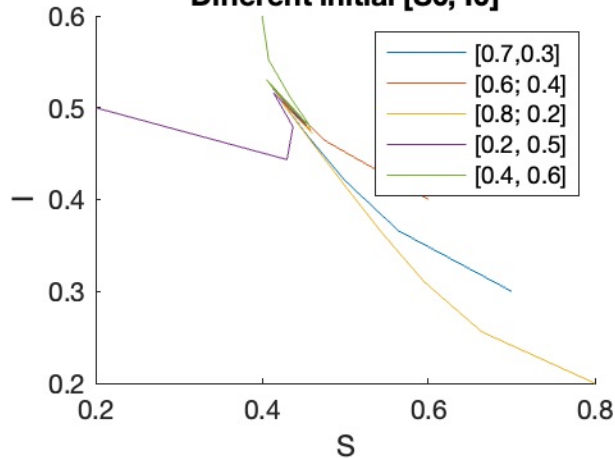
phase plane



The changes of beta

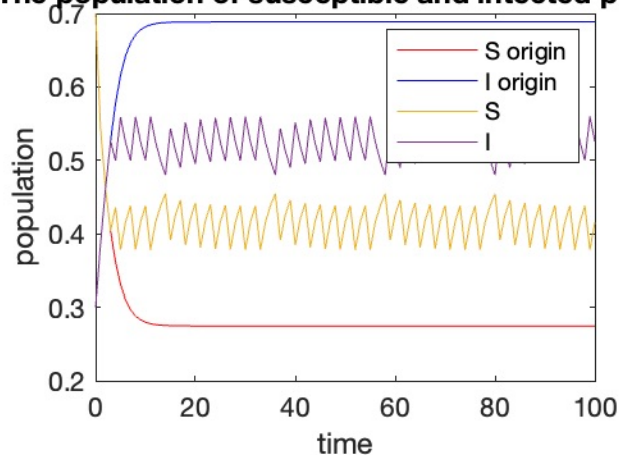


Different initial $[S_0, I_0]$

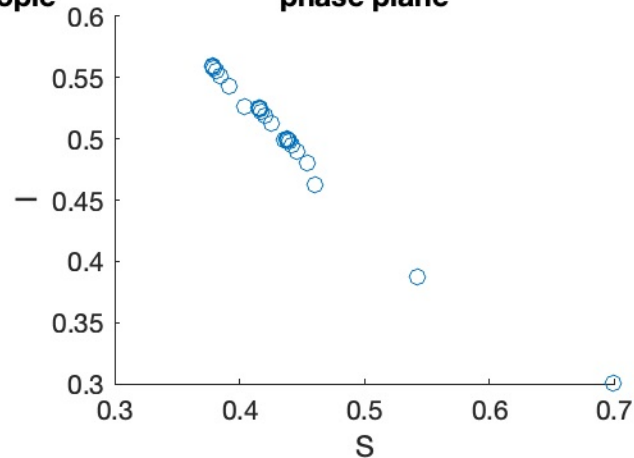


Beta0 = 0.7

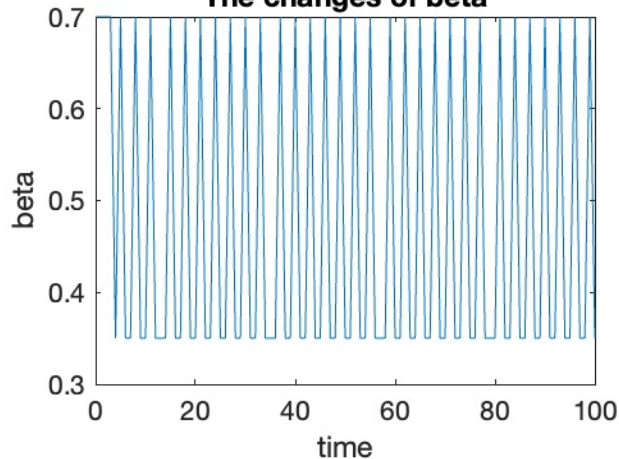
The population of susceptible and infected people



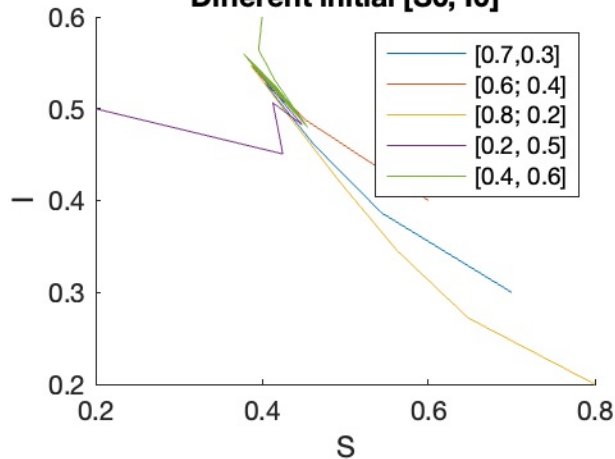
phase plane



The changes of beta

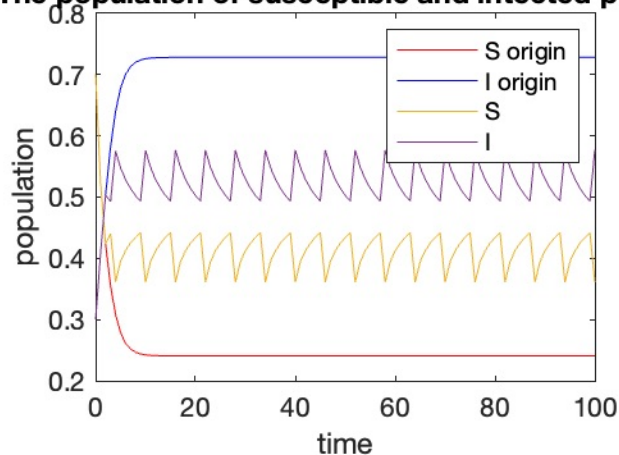


Different initial [S0, I0]

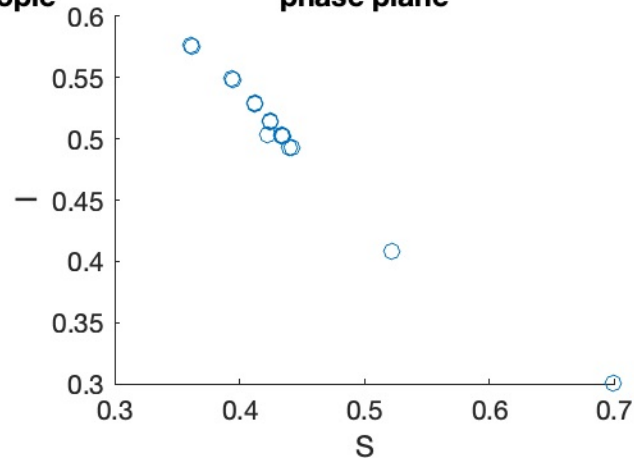


Beta0 = 0.8

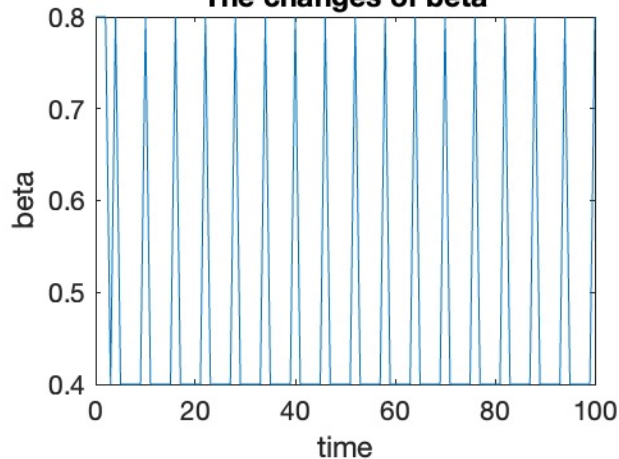
The population of susceptible and infected people



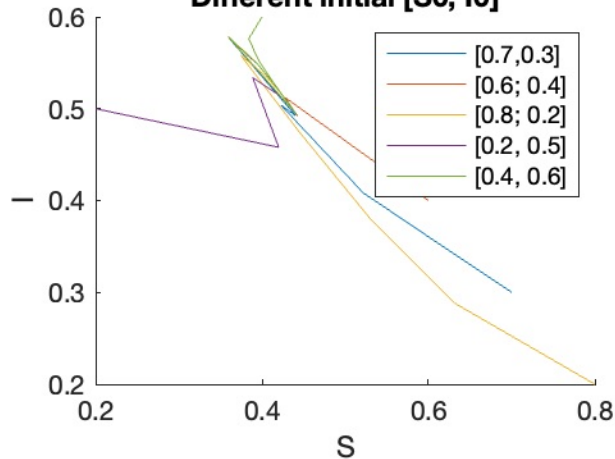
phase plane



The changes of beta

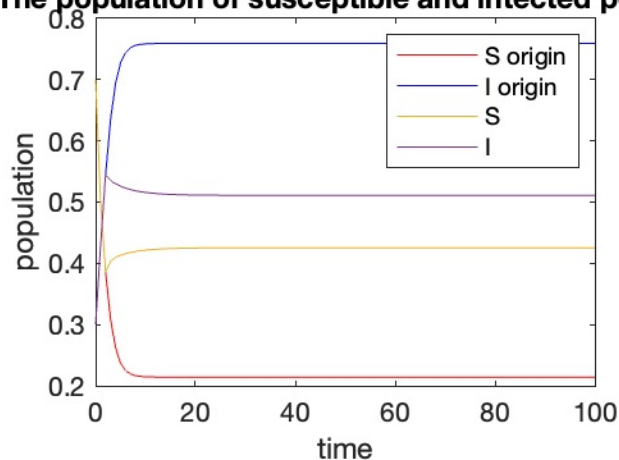


Different initial [S0, I0]

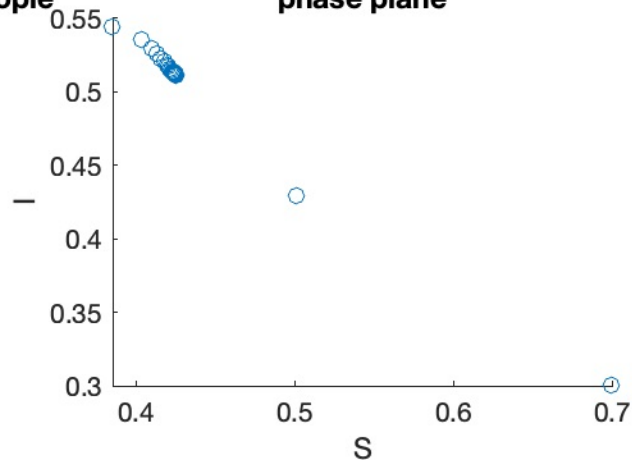


Beta0 = 0.9

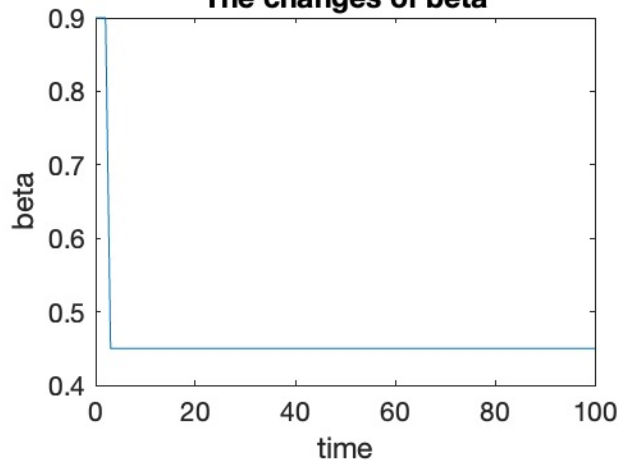
The population of susceptible and infected people



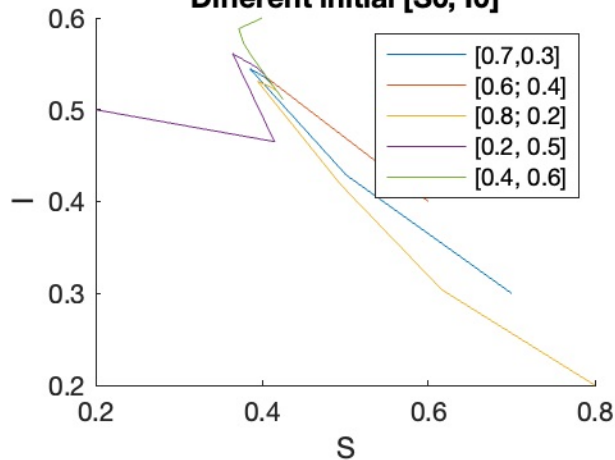
phase plane



The changes of beta

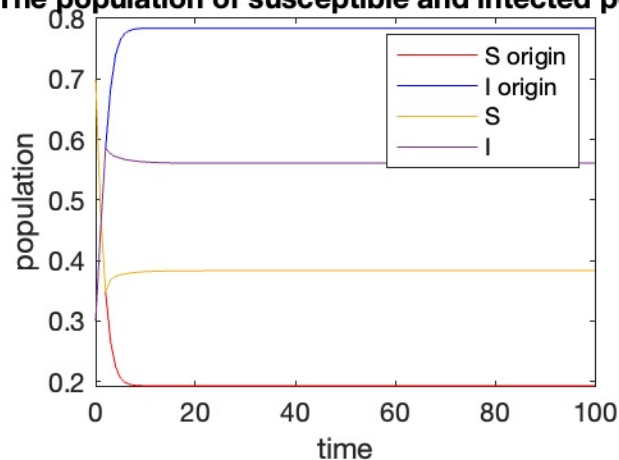


Different initial [S0, I0]

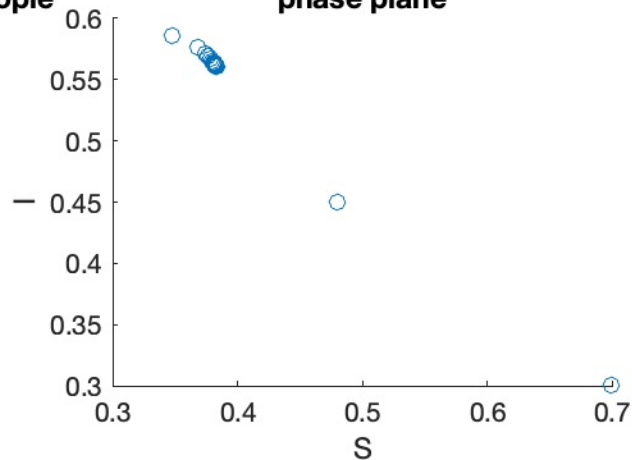


Beta0 = 1

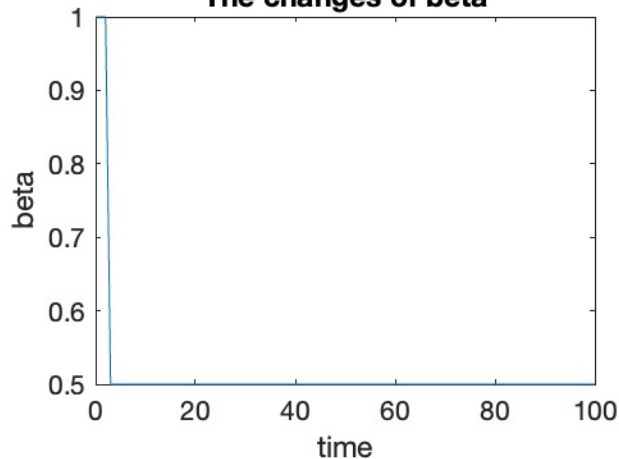
The population of susceptible and infected people



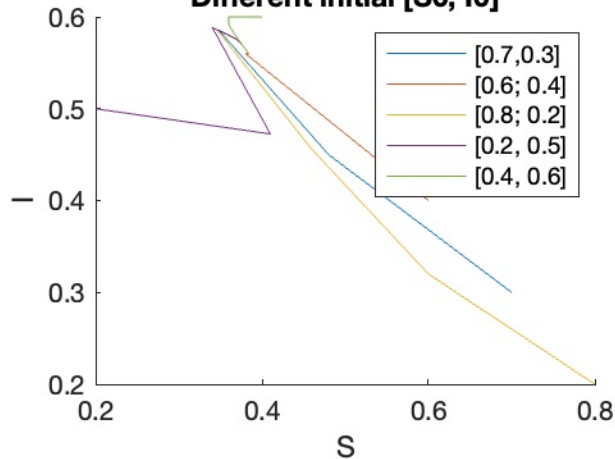
phase plane



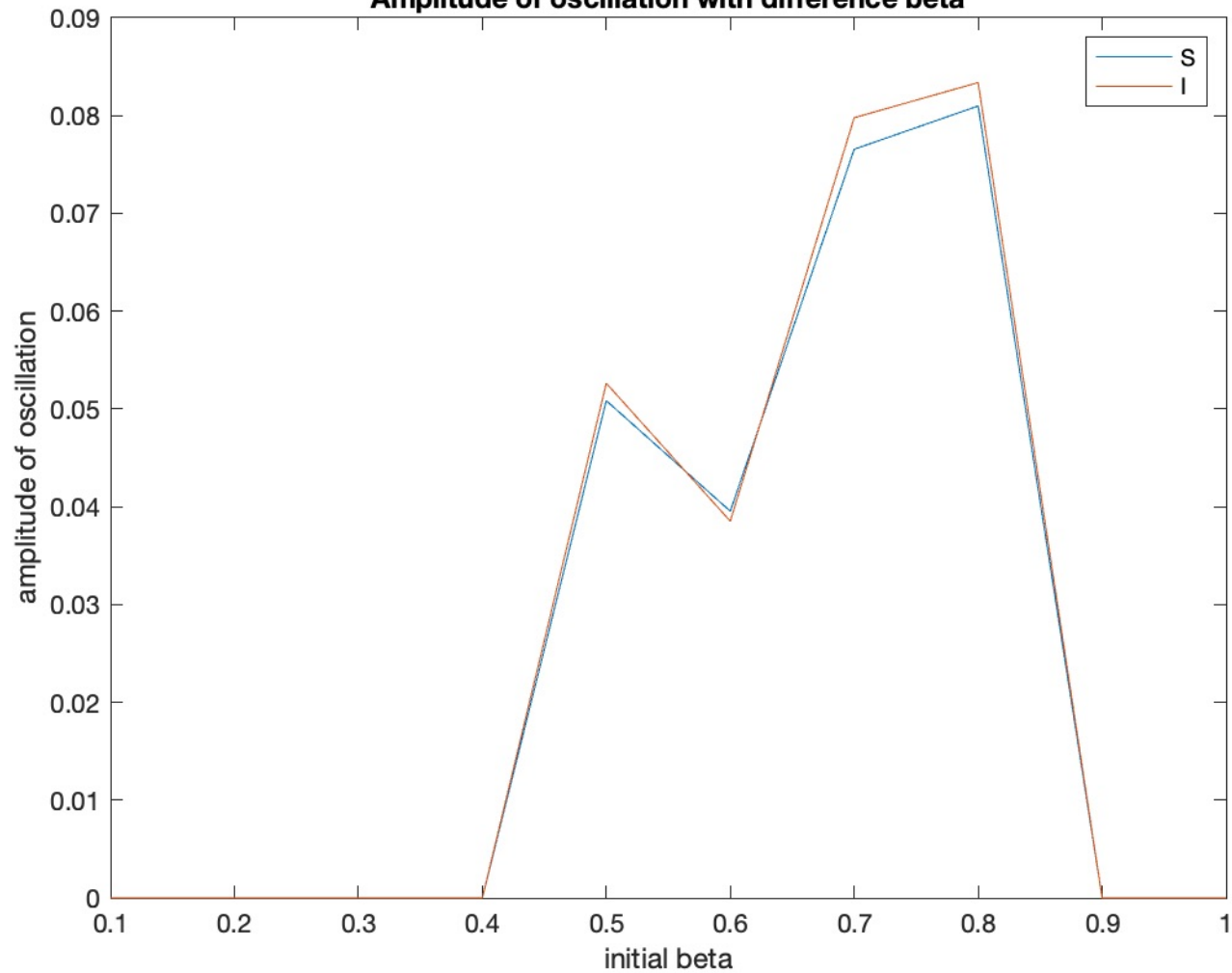
The changes of beta



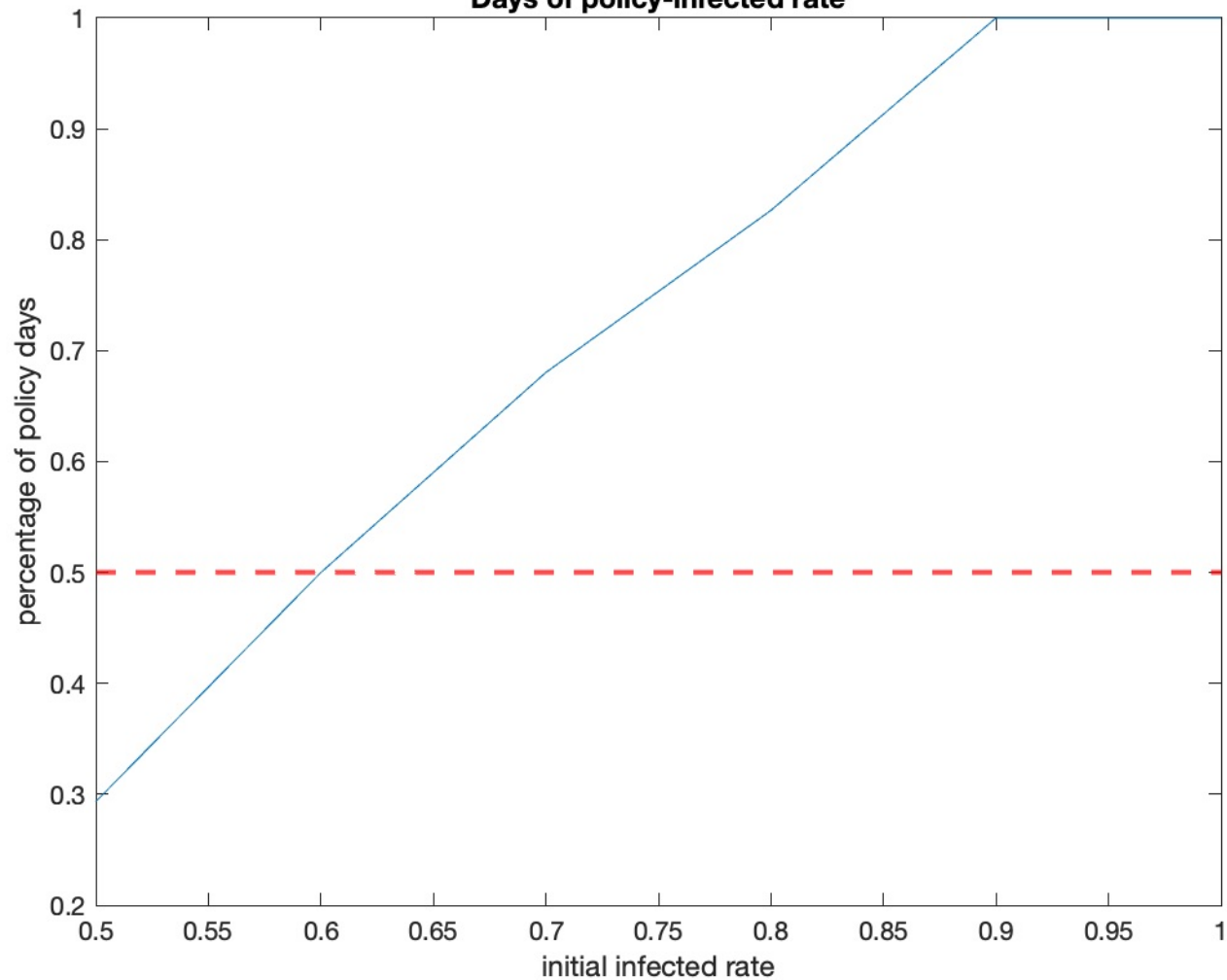
Different initial $[S_0, I_0]$

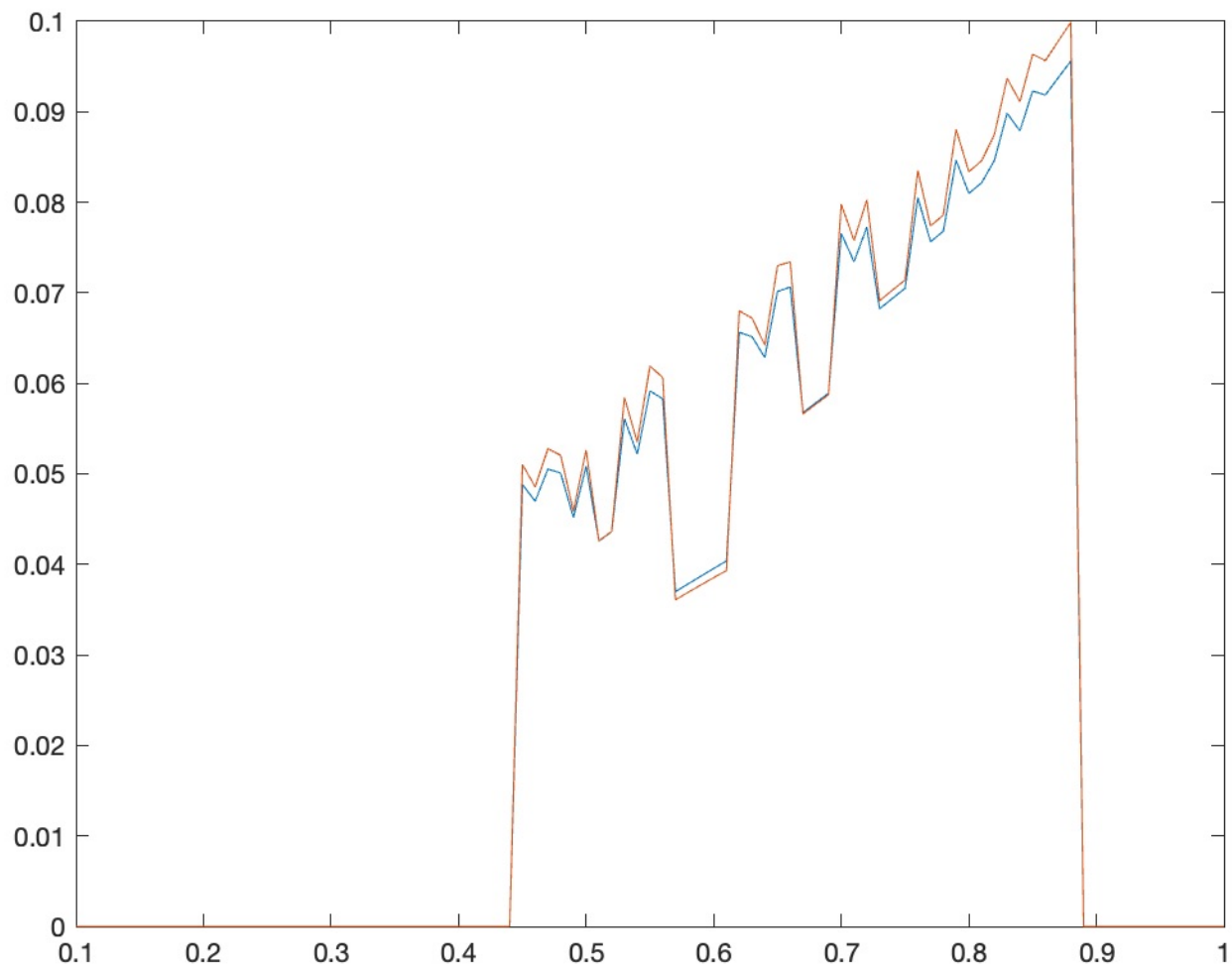


Amplitude of oscillation with difference beta

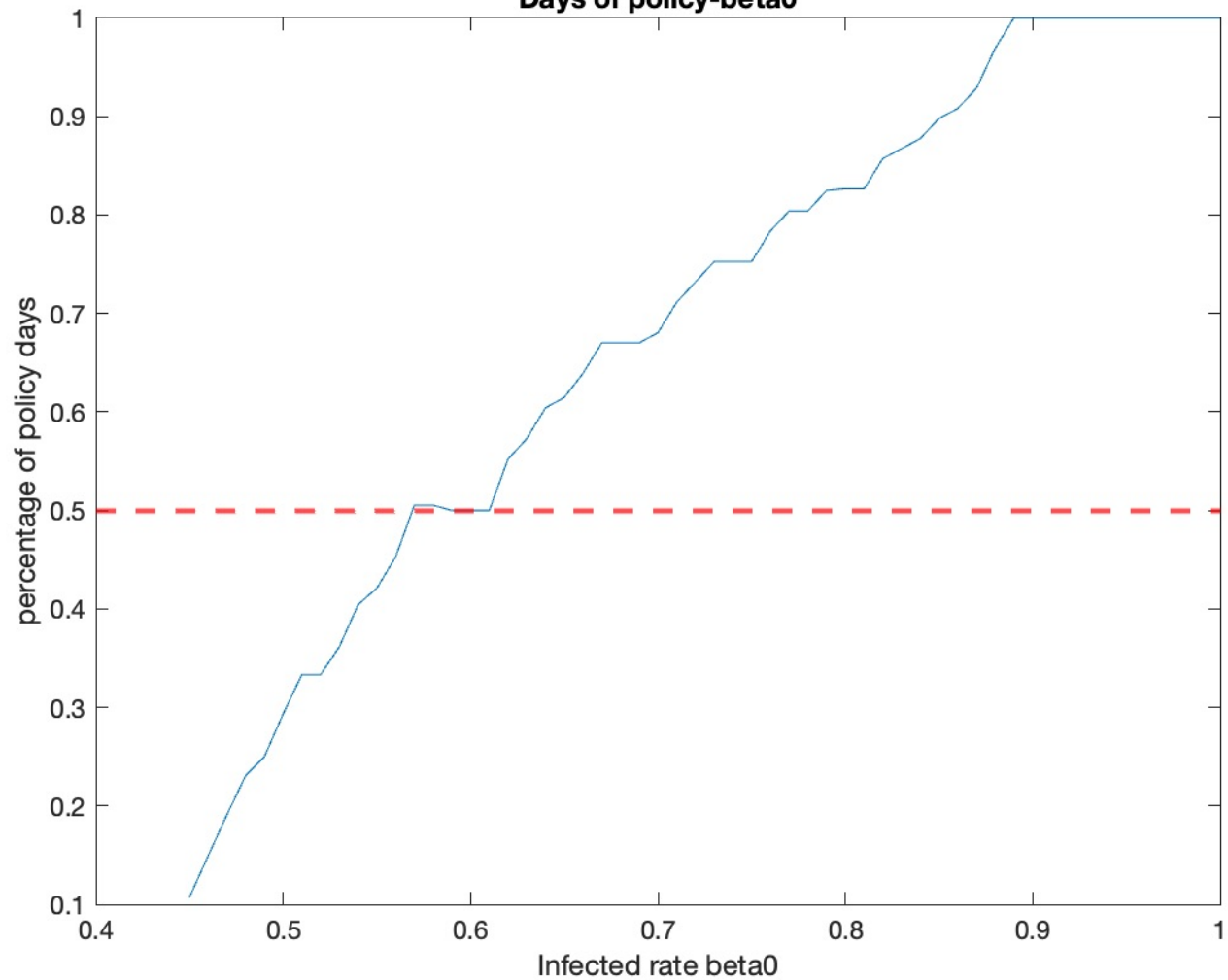


Days of policy-infected rate





Days of policy-beta0



steady state of oscillation with difference beta

