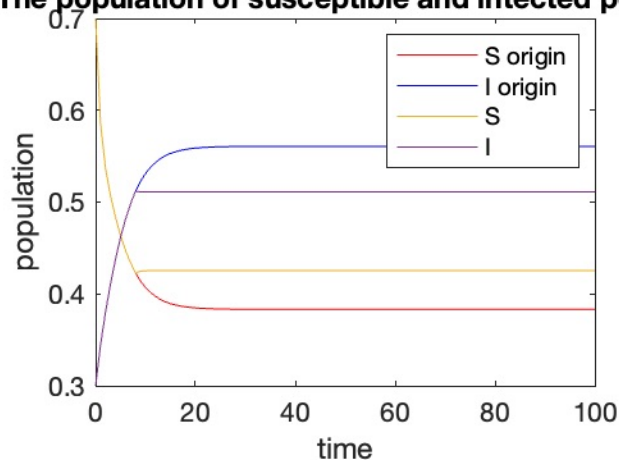
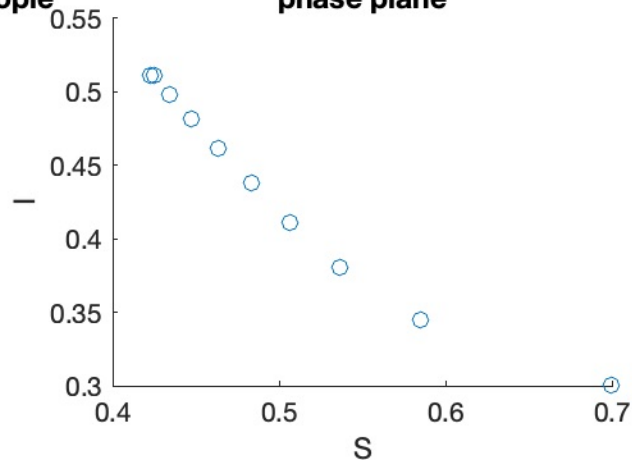


$\epsilon = 0.1$

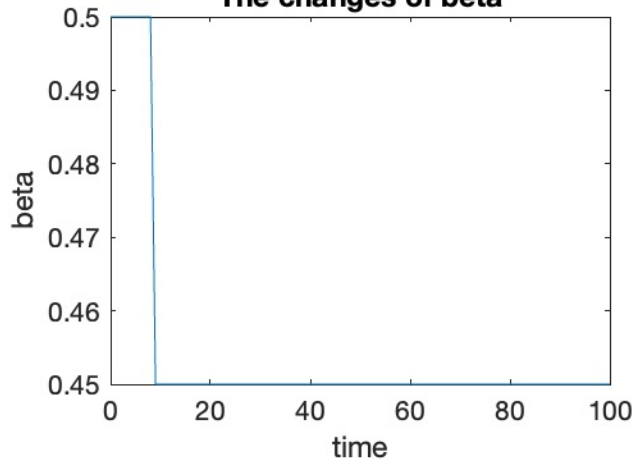
The population of susceptible and infected people



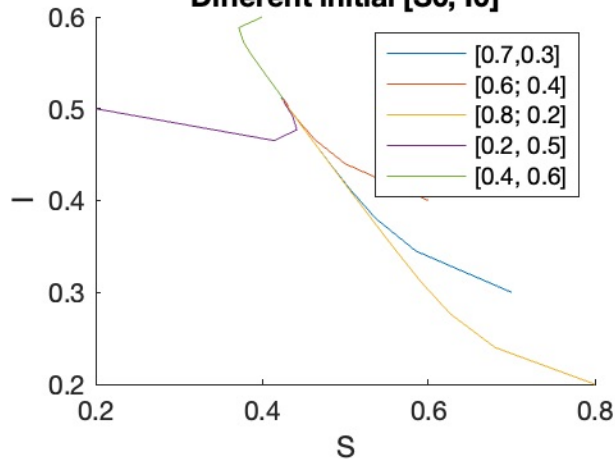
phase plane



The changes of beta

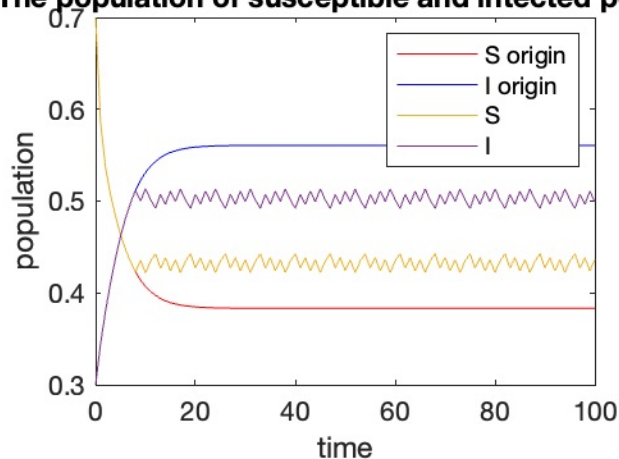


Different initial  $[S_0, I_0]$

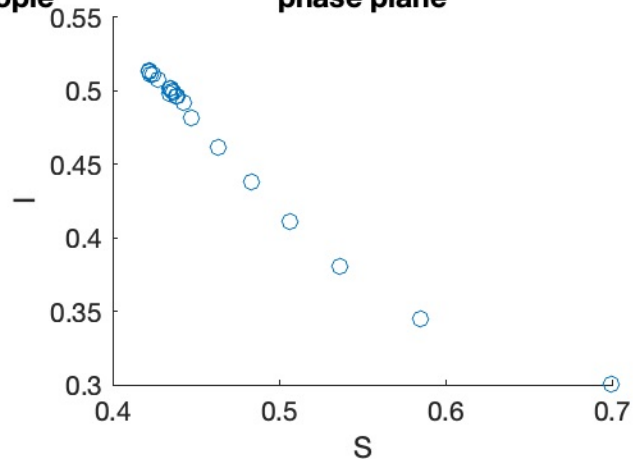


epilson = 0.2

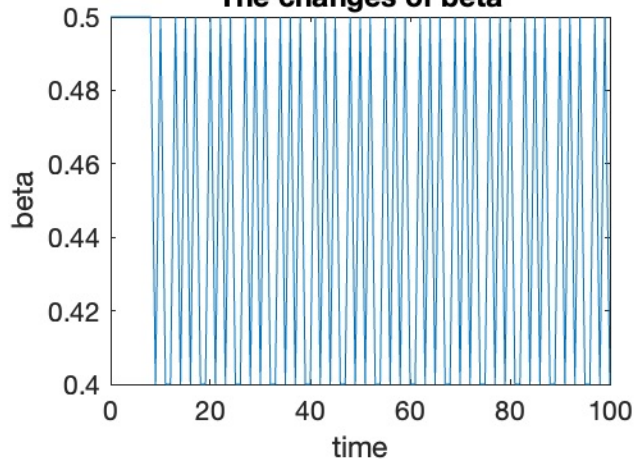
The population of susceptible and infected people



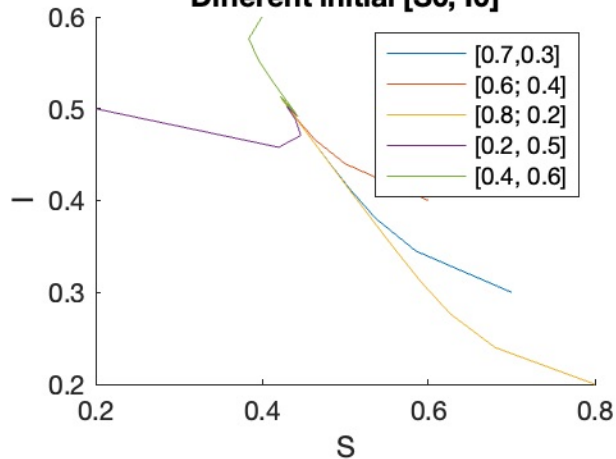
phase plane



The changes of beta

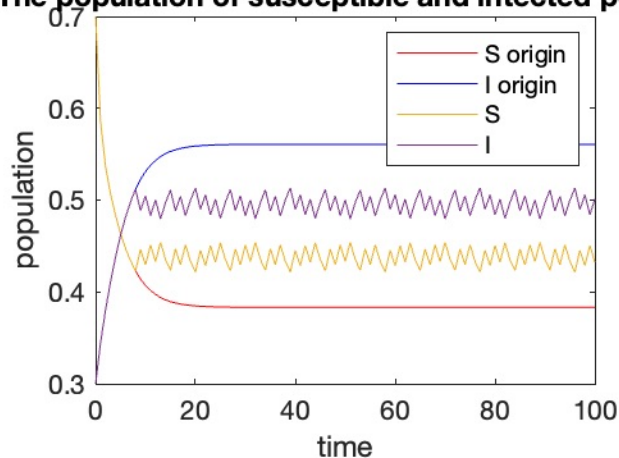


Different initial  $[S_0, I_0]$

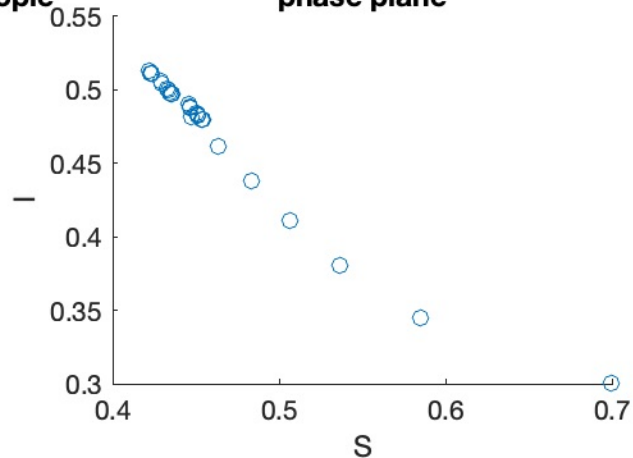


$\epsilon = 0.3$

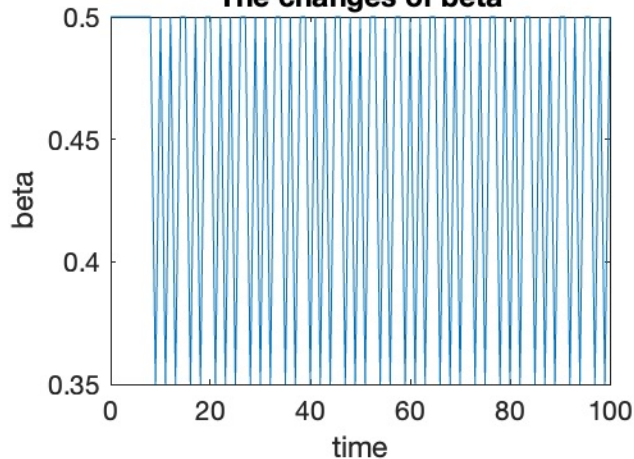
The population of susceptible and infected people



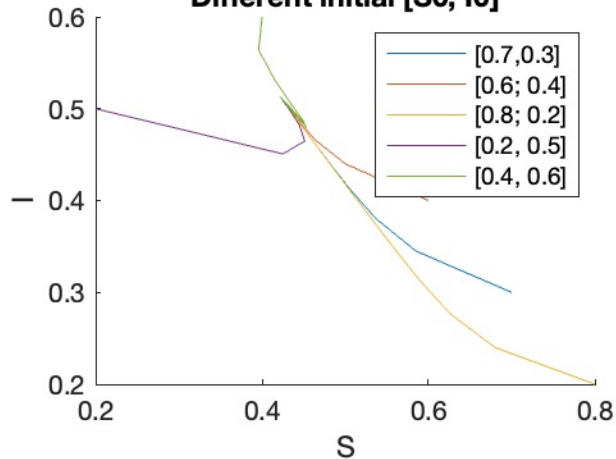
phase plane



The changes of beta

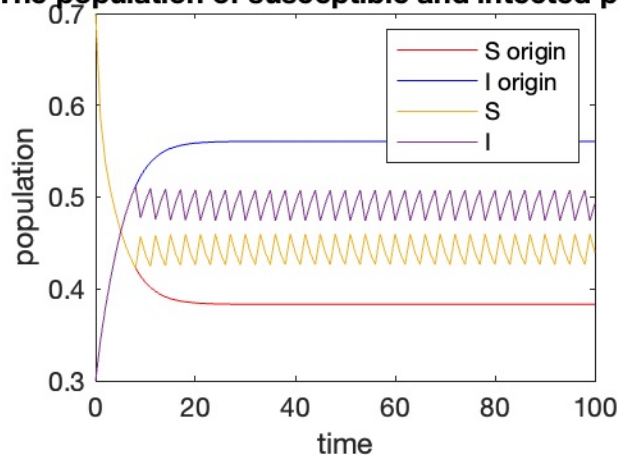


Different initial  $[S_0, I_0]$

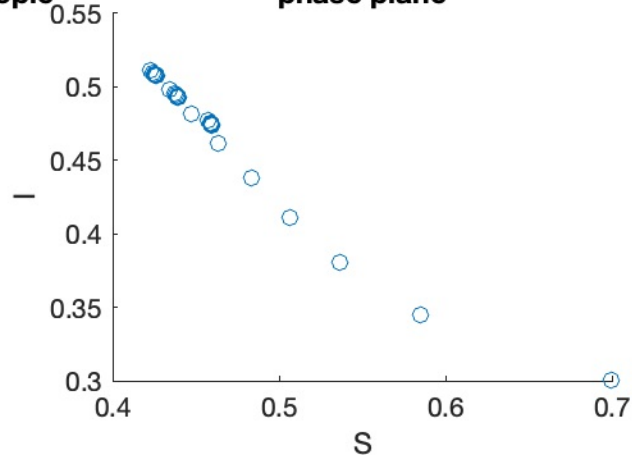


$\epsilon = 0.4$

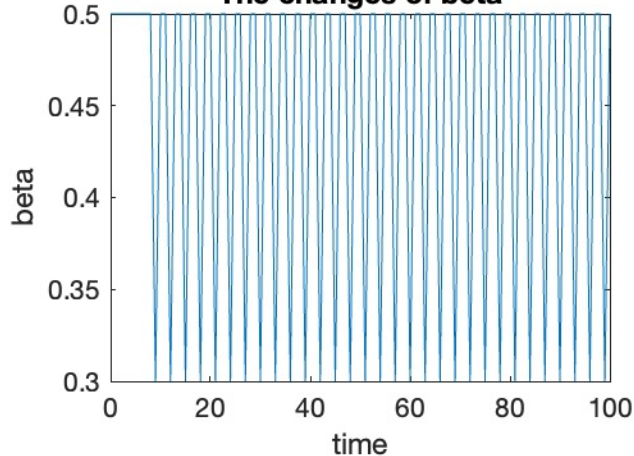
The population of susceptible and infected people



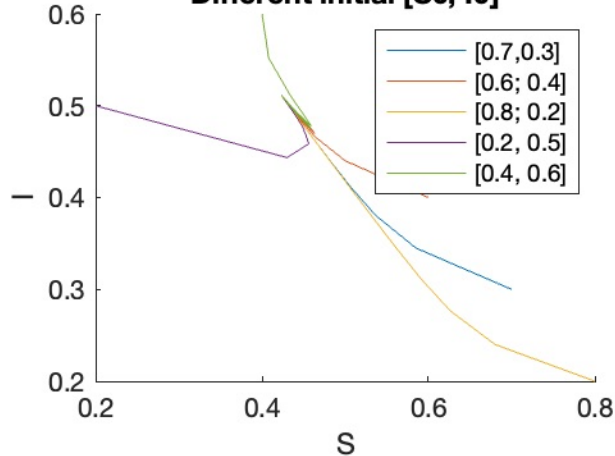
phase plane



The changes of beta

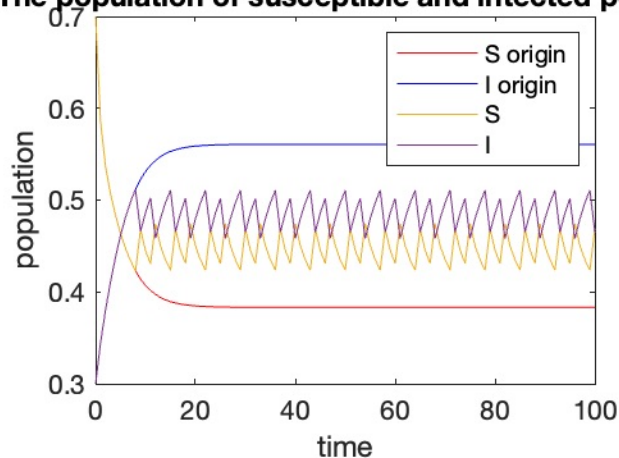


Different initial  $[S_0, I_0]$

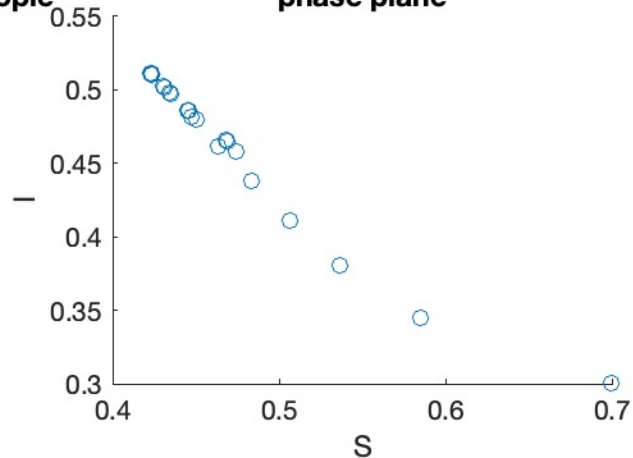


$\epsilon = 0.5$

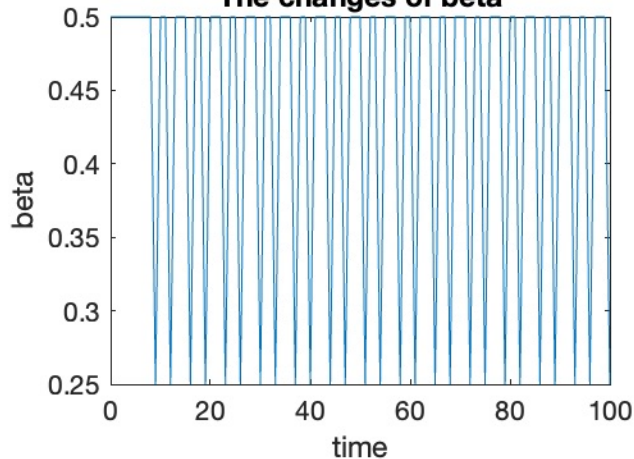
The population of susceptible and infected people



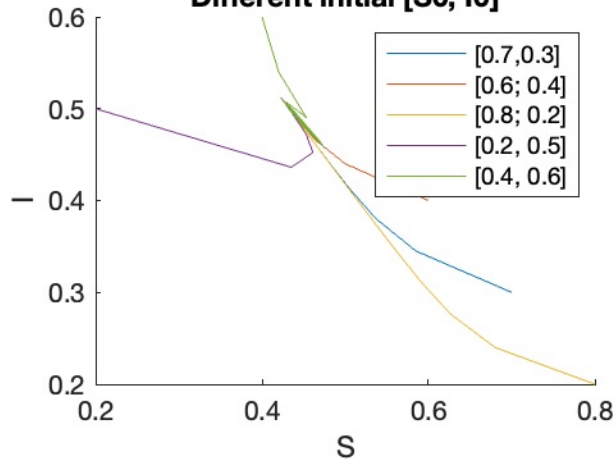
phase plane



The changes of beta

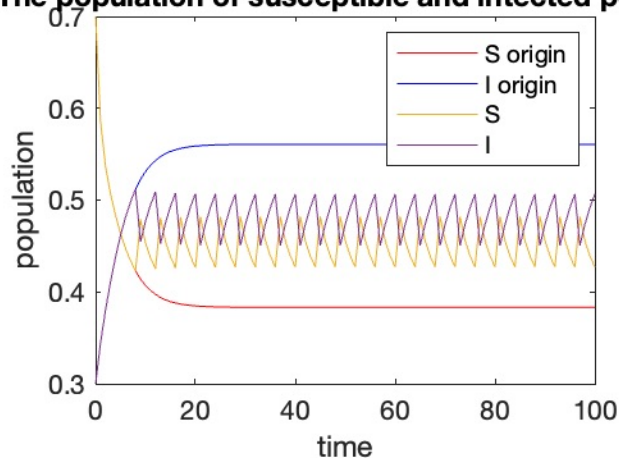


Different initial  $[S_0, I_0]$

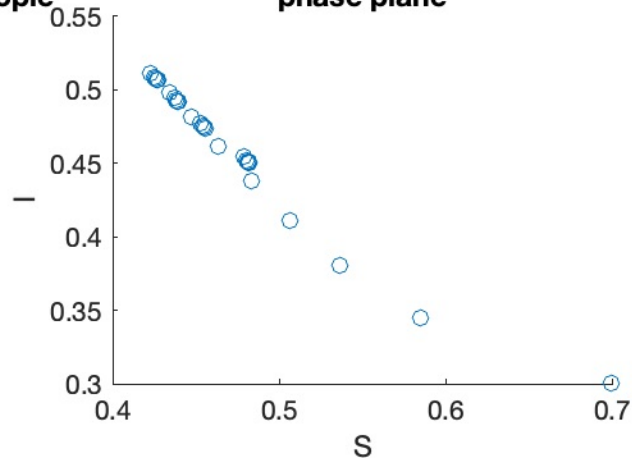


$\epsilon = 0.6$

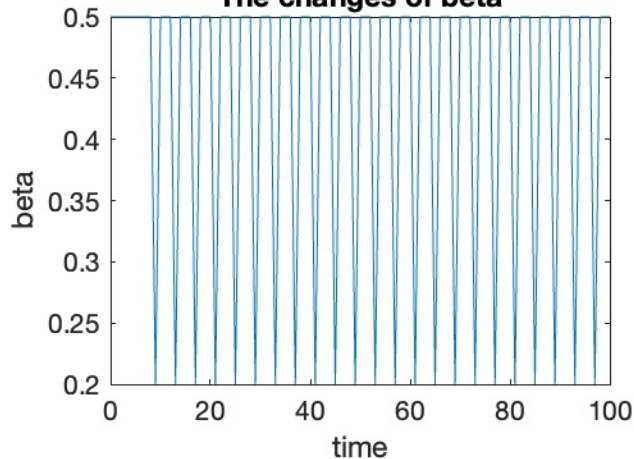
The population of susceptible and infected people



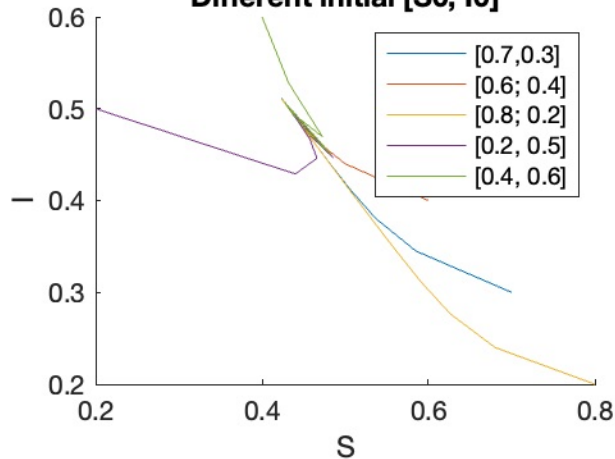
phase plane



The changes of beta

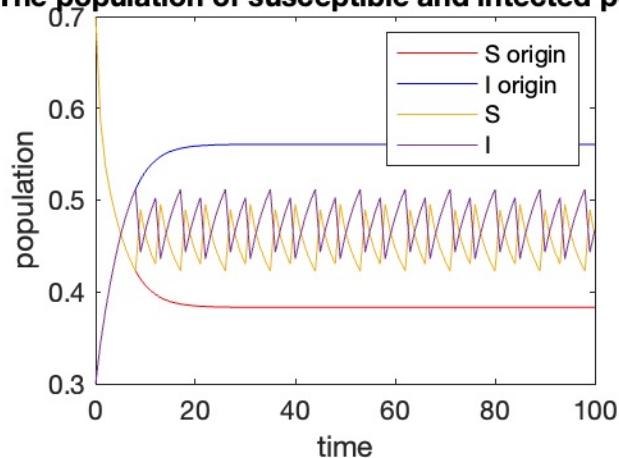


Different initial  $[S_0, I_0]$

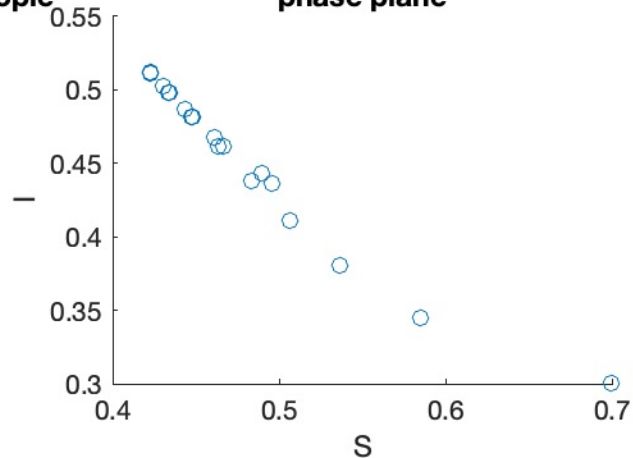


$\epsilon = 0.7$

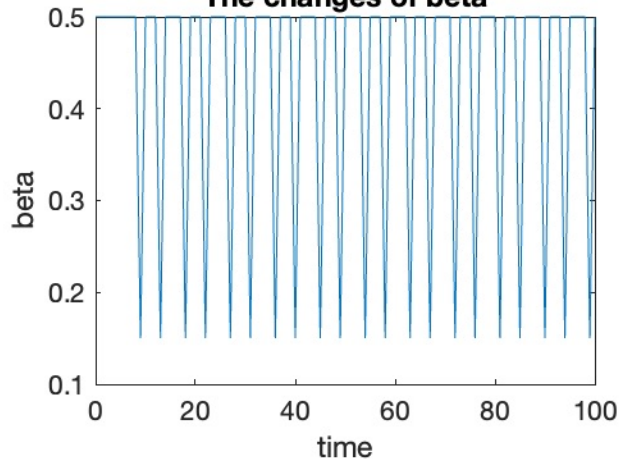
The population of susceptible and infected people



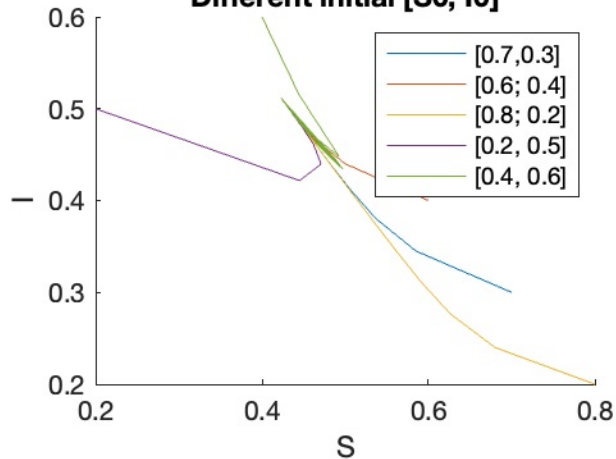
phase plane



The changes of beta

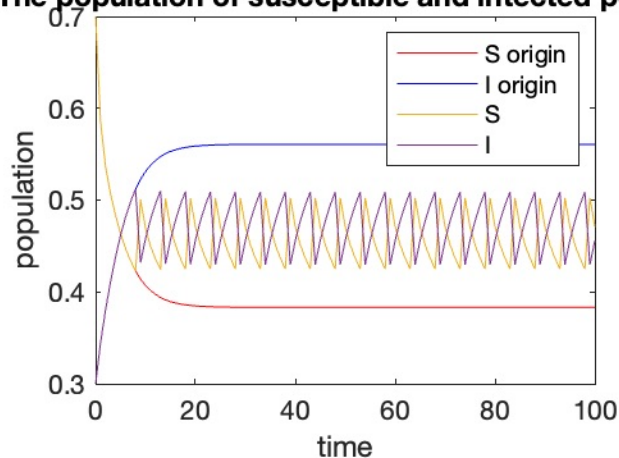


Different initial  $[S_0, I_0]$

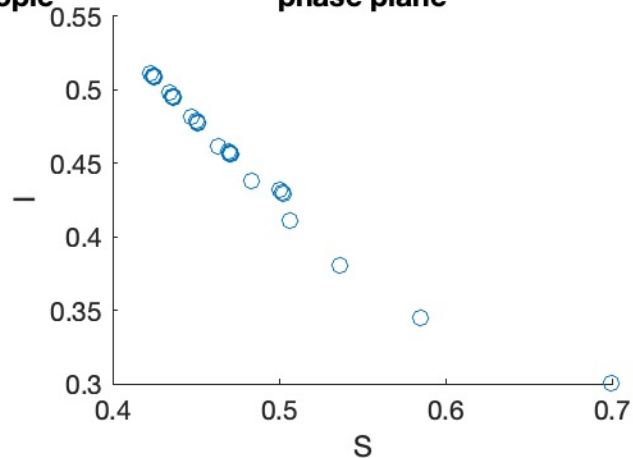


$\epsilon = 0.8$

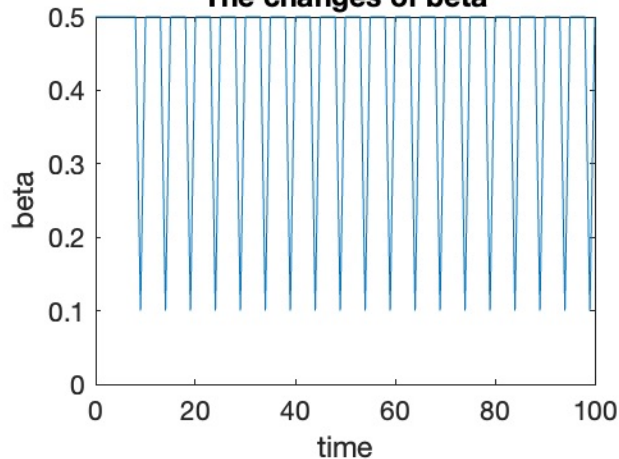
The population of susceptible and infected people



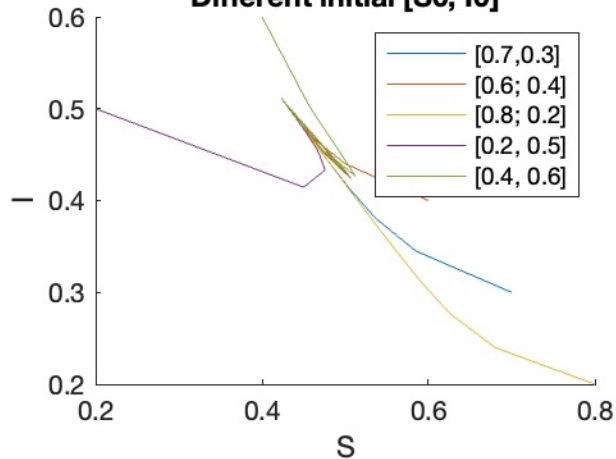
phase plane



The changes of beta



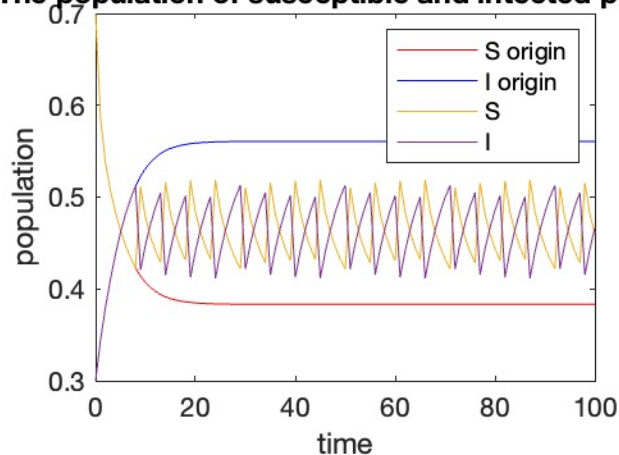
Different initial  $[S_0, I_0]$



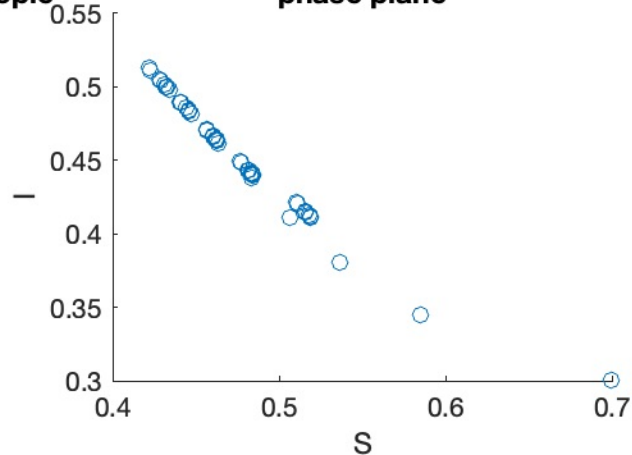


$\epsilon = 0.9$

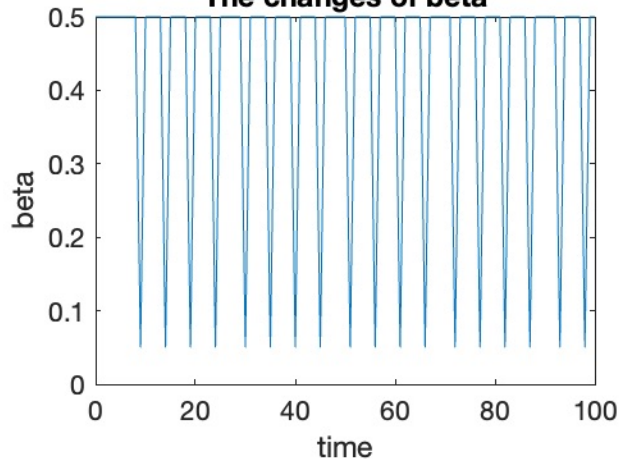
The population of susceptible and infected people



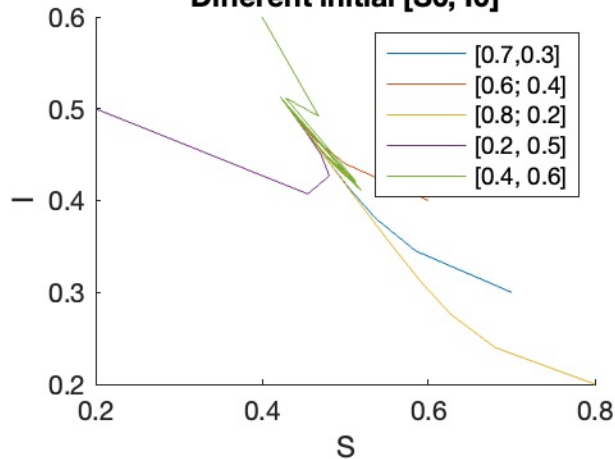
phase plane



The changes of beta

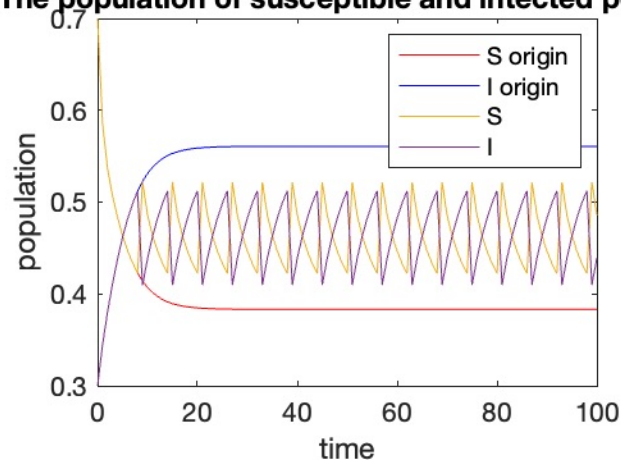


Different initial  $[S_0, I_0]$

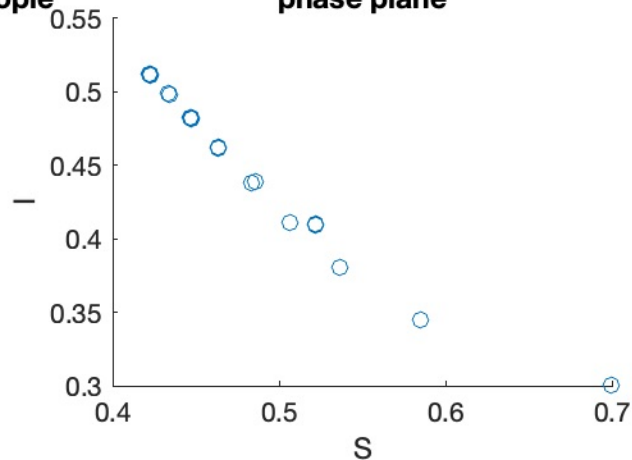


$\epsilon = 1$

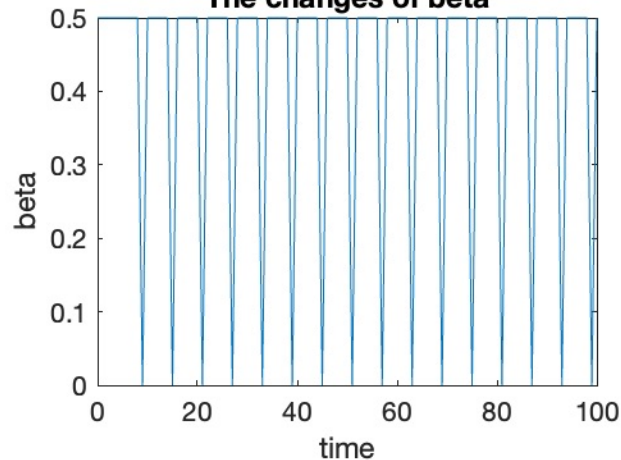
The population of susceptible and infected people



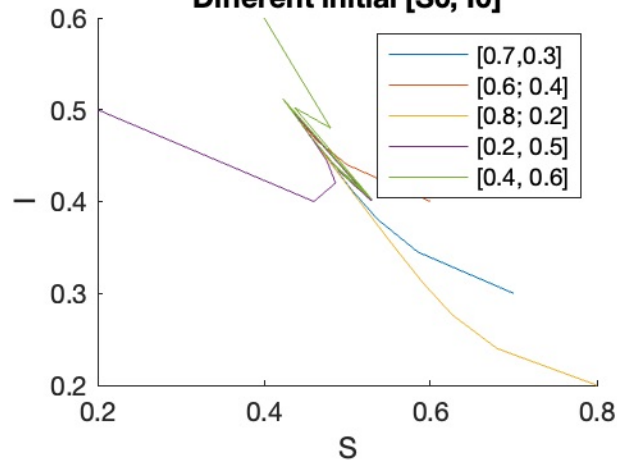
phase plane



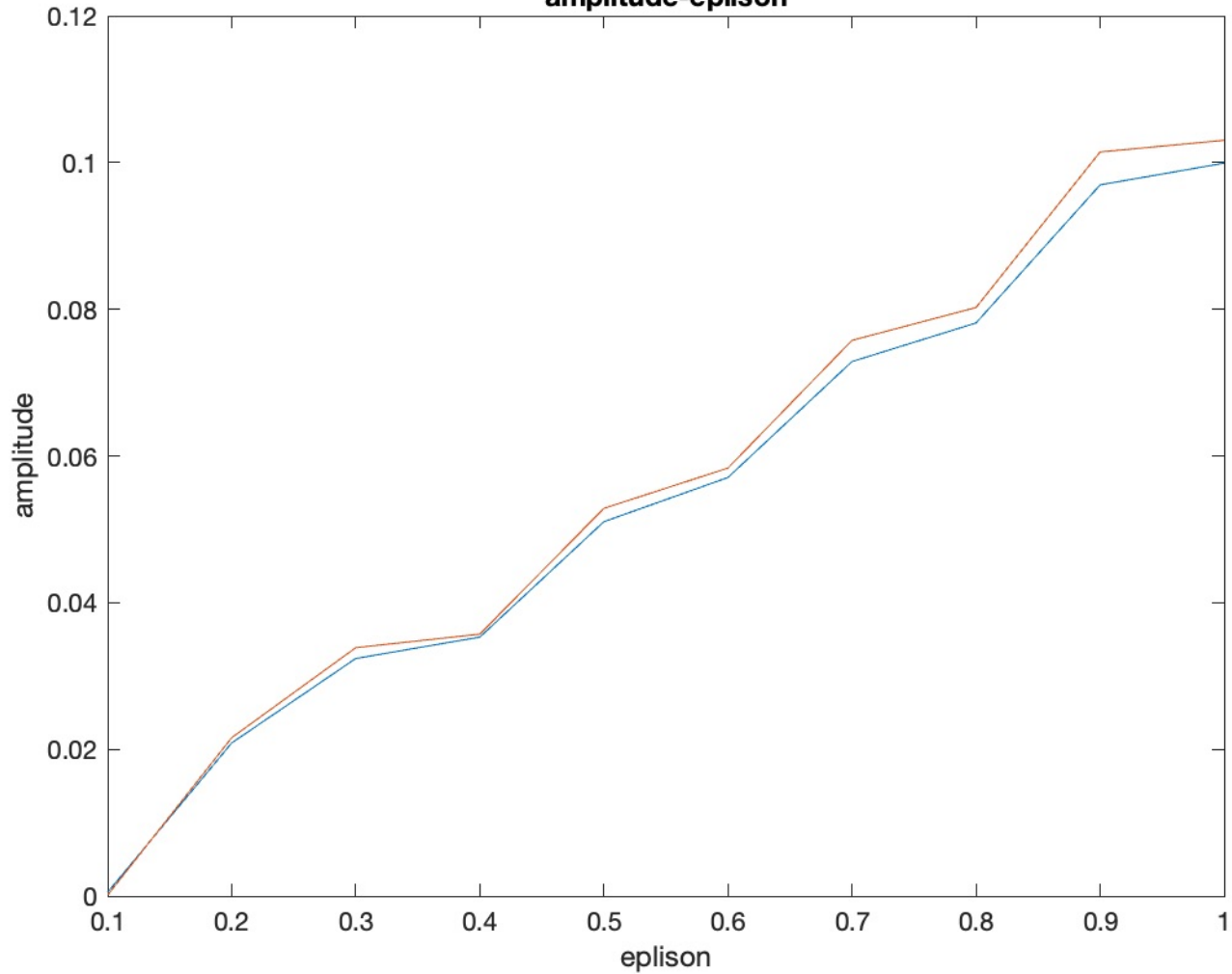
The changes of beta



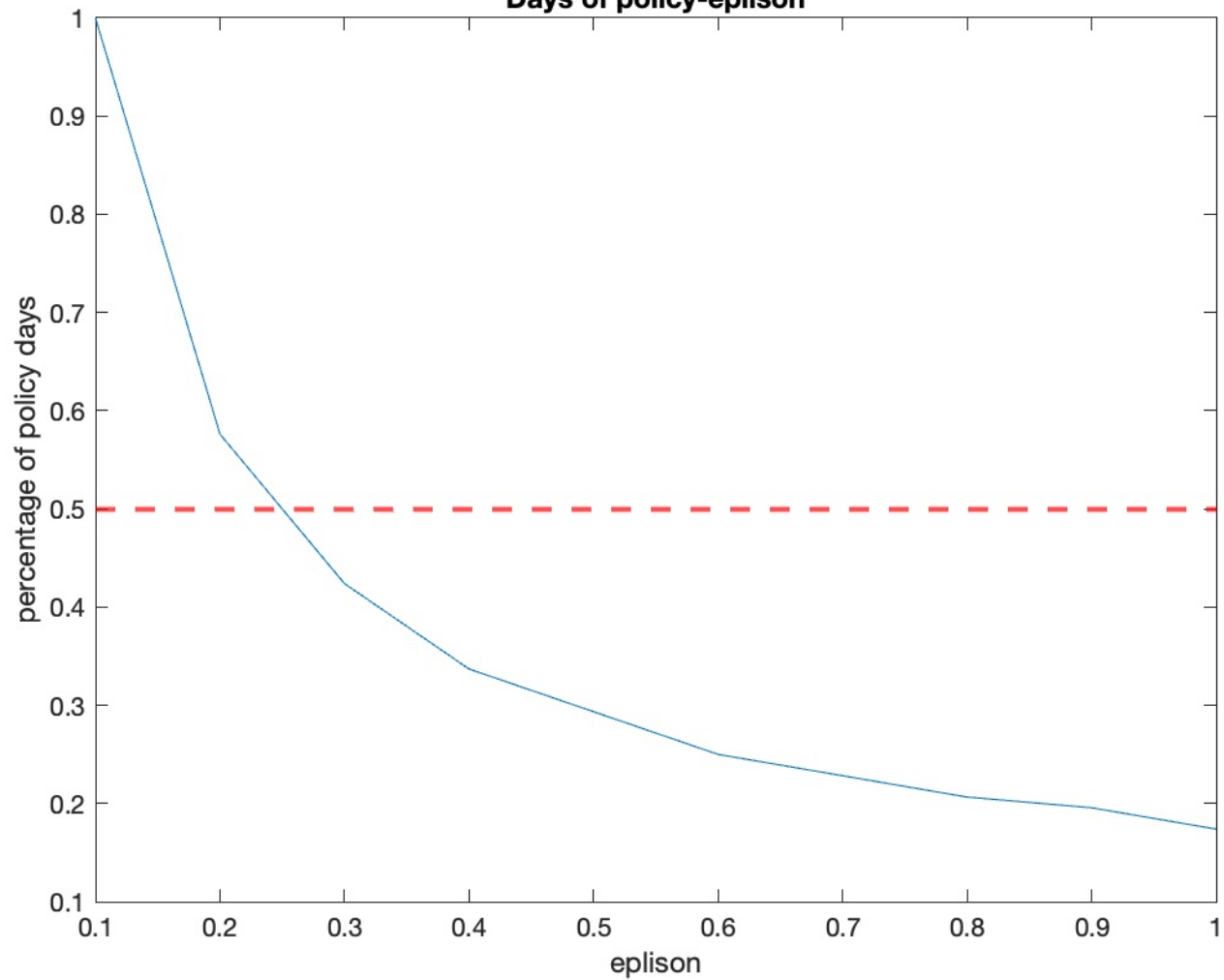
Different initial  $[S_0, I_0]$



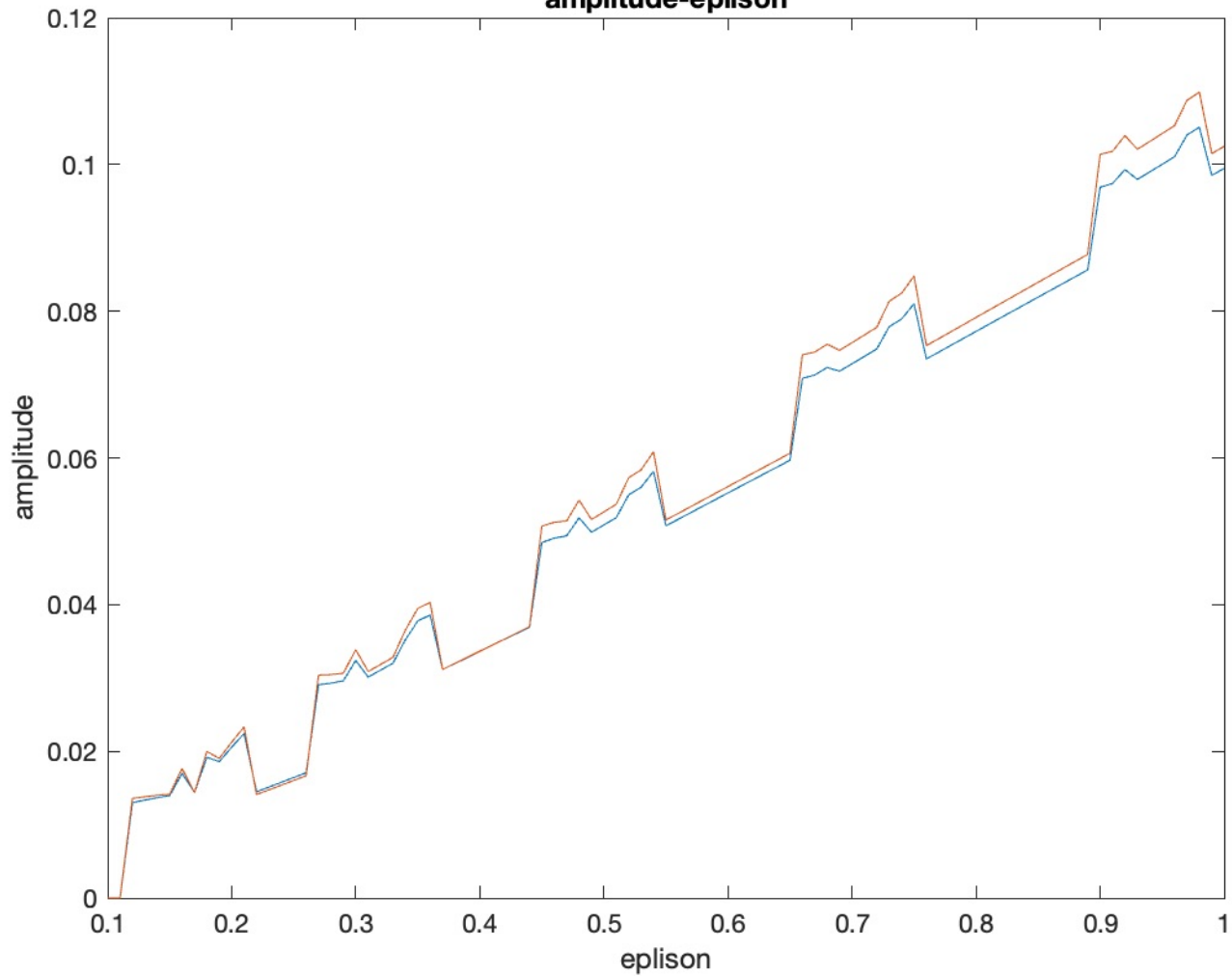
**amplitude-epilson**



**Days of policy-eplison**



**amplitude-epsilon**



**Days of policy-eplison**

