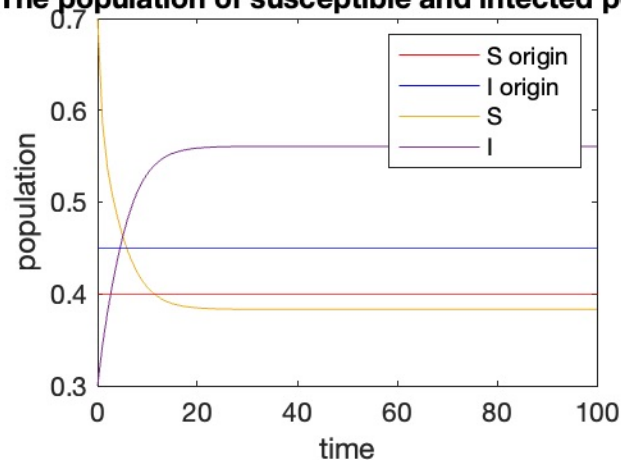
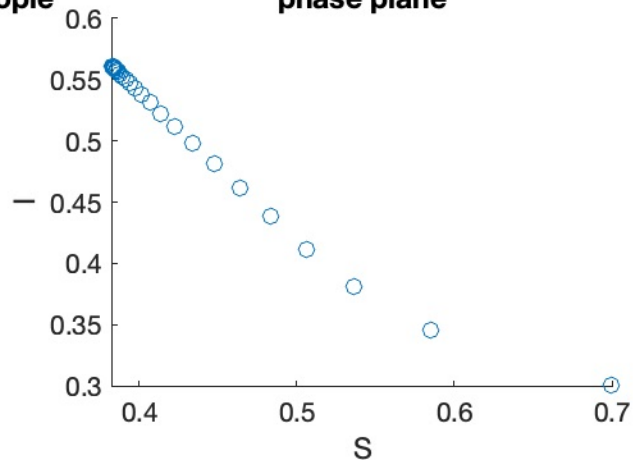


$lc1=0.57, lc2=0.6$

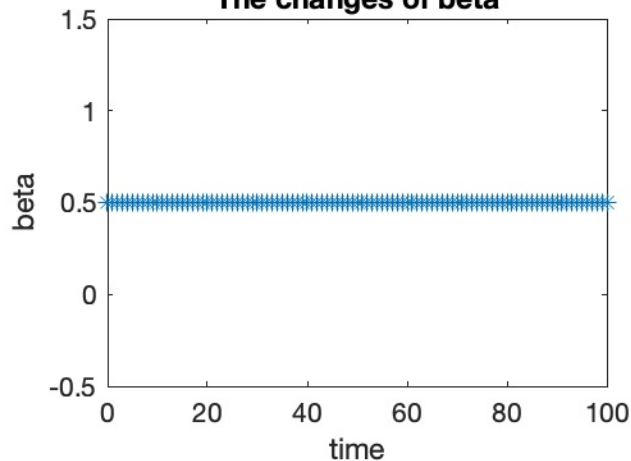
The population of susceptible and infected people



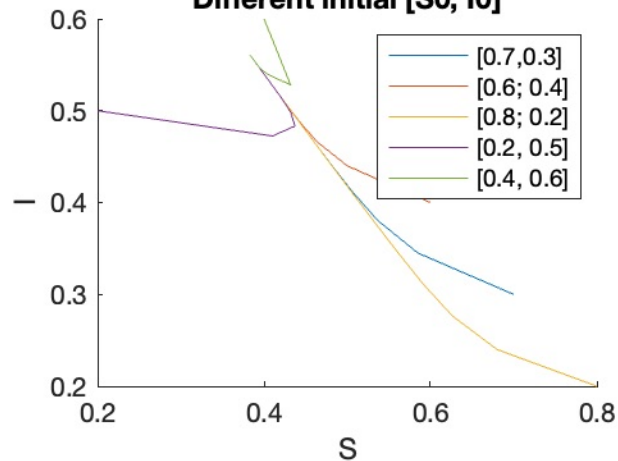
phase plane



The changes of beta

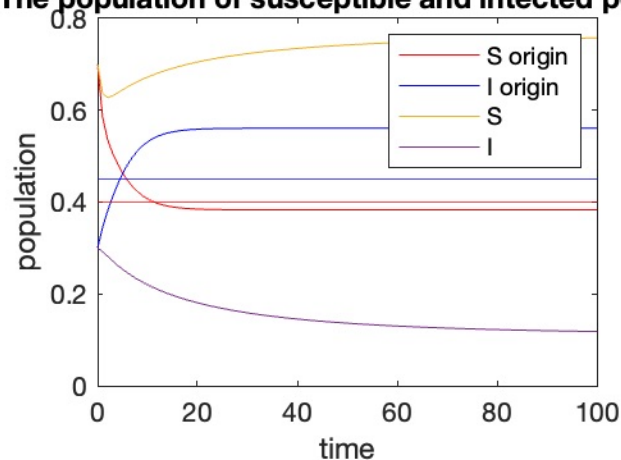


Different initial $[S_0, I_0]$

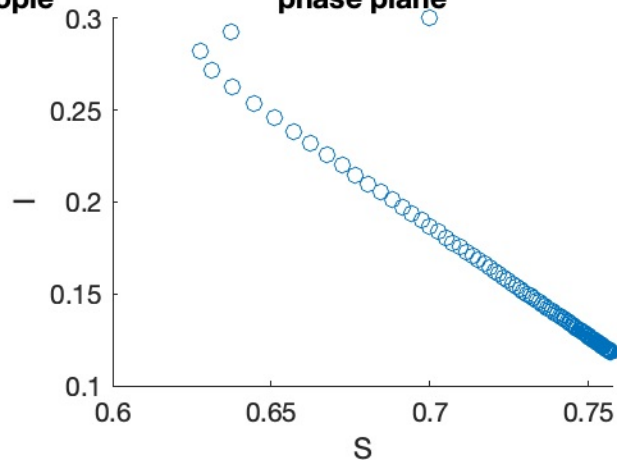


$lc1=0.11, lc2=0.5$

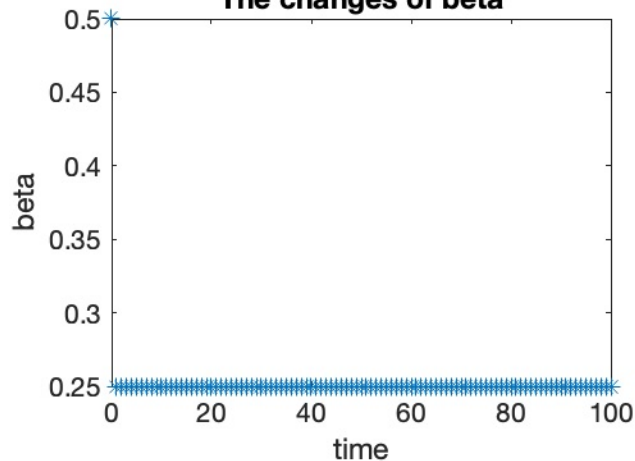
The population of susceptible and infected people



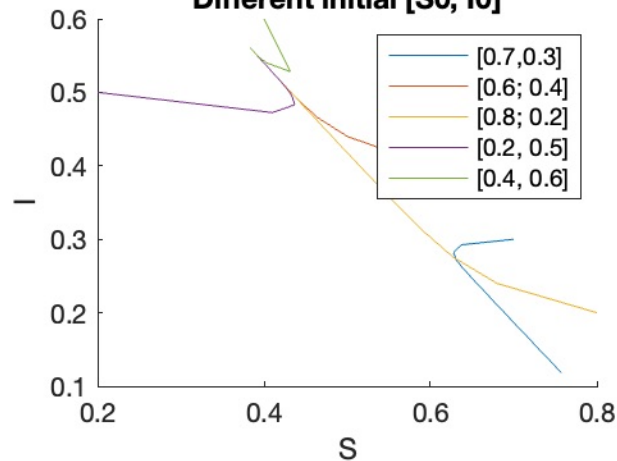
phase plane



The changes of beta

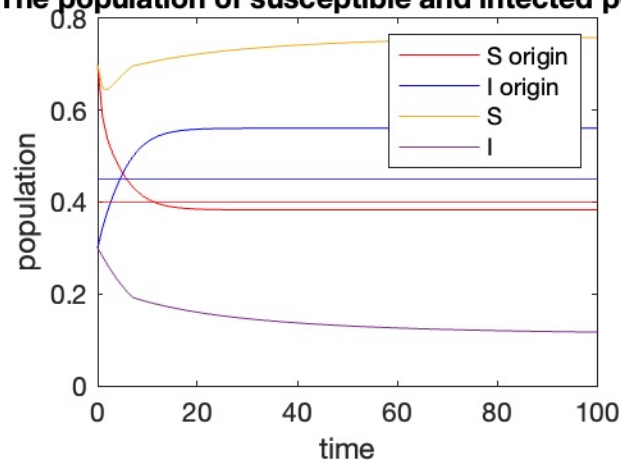


Different initial $[S_0, I_0]$

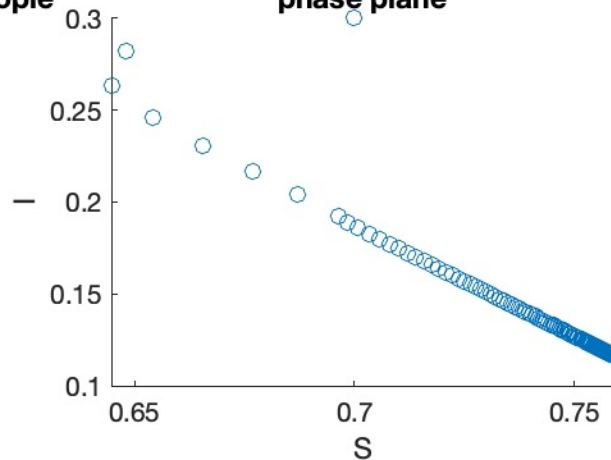


$lc1=0.11, lc2=0.2$

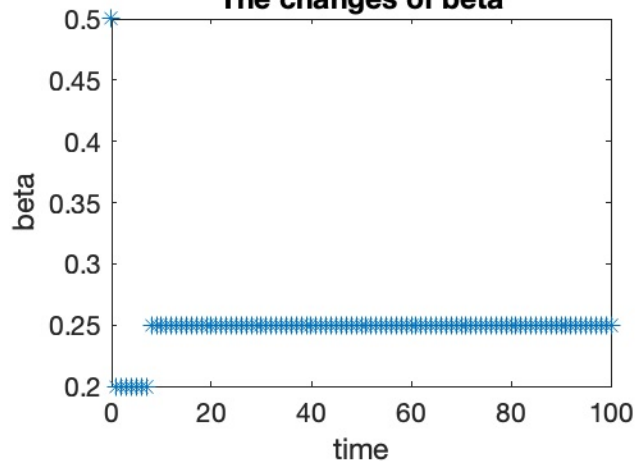
The population of susceptible and infected people



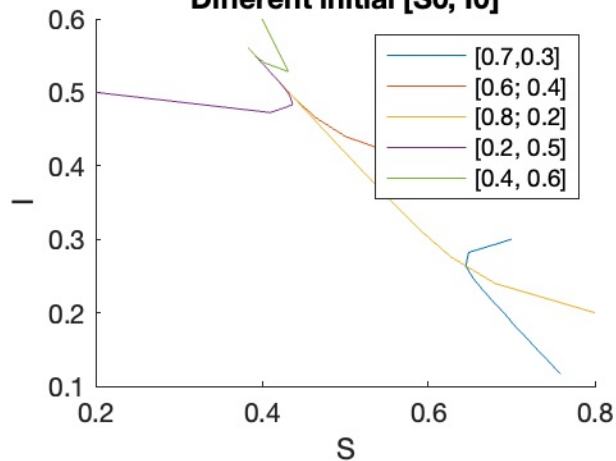
phase plane



The changes of beta

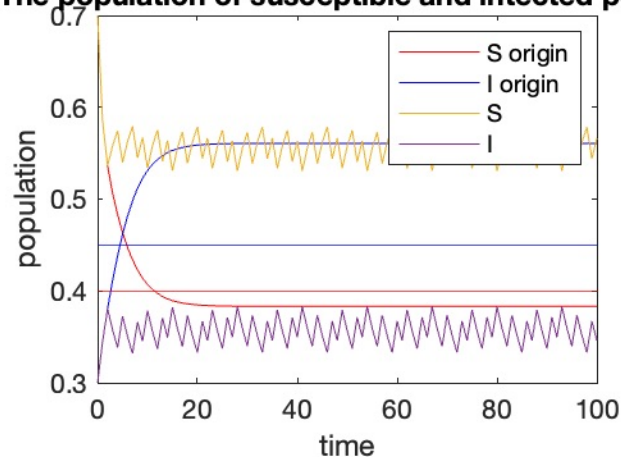


Different initial $[S_0, I_0]$

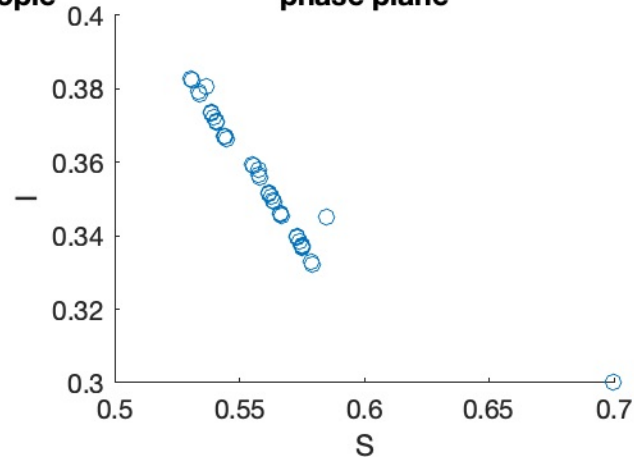


$lc1=0.35, lc2=0.4$

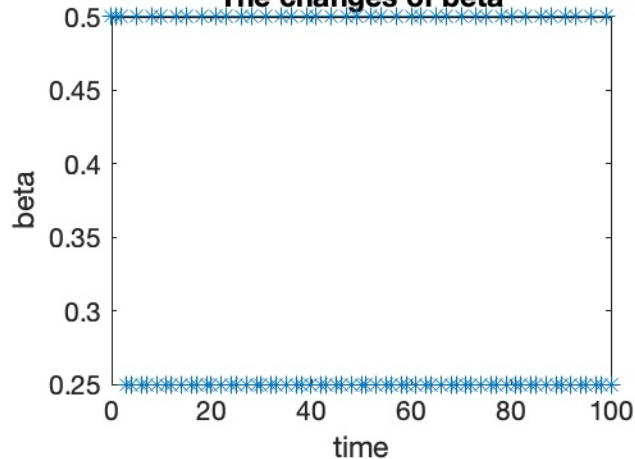
The population of susceptible and infected people



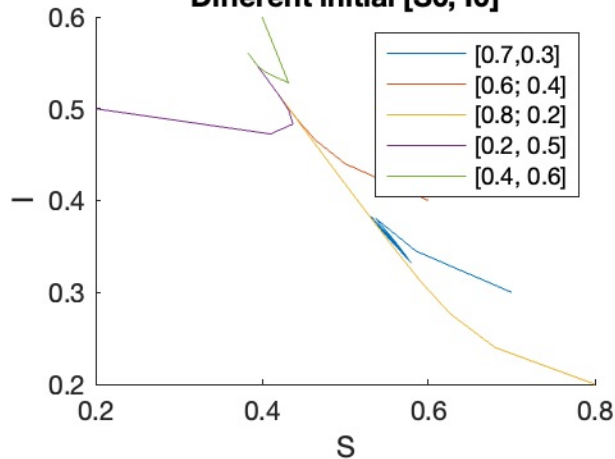
phase plane



The changes of beta

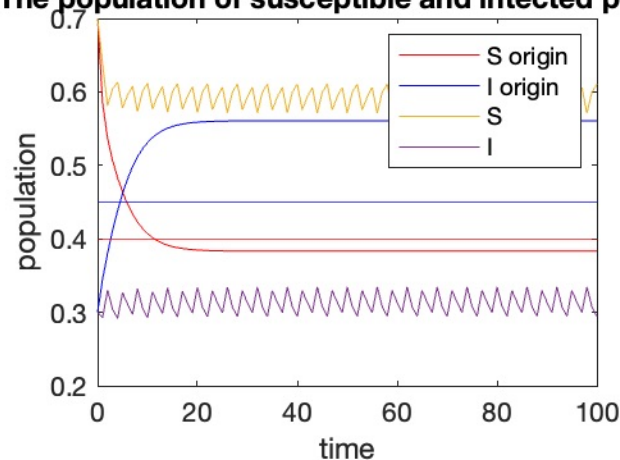


Different initial $[S_0, I_0]$

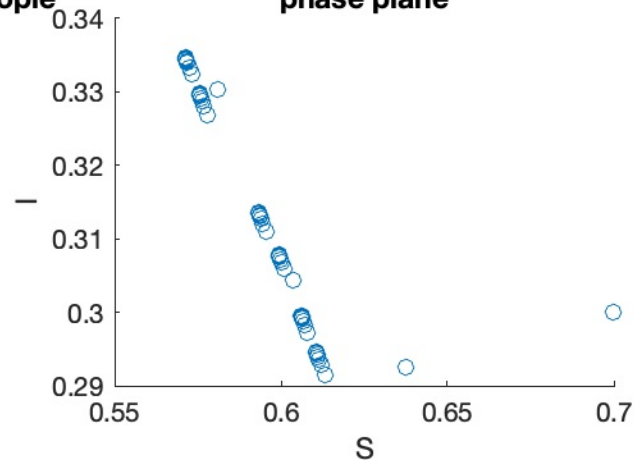


$lc1=0.3, lc2=0.33$

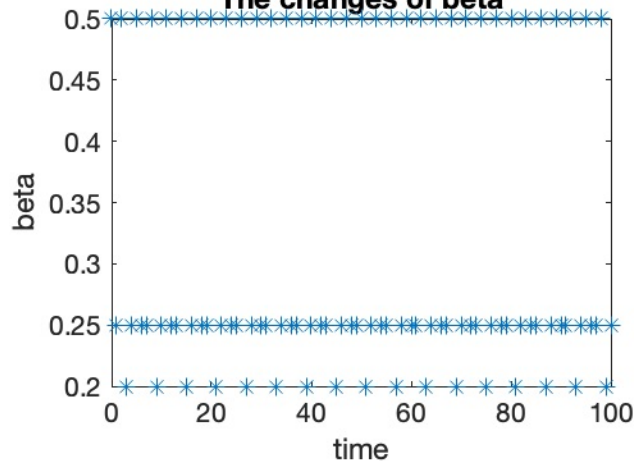
The population of susceptible and infected people



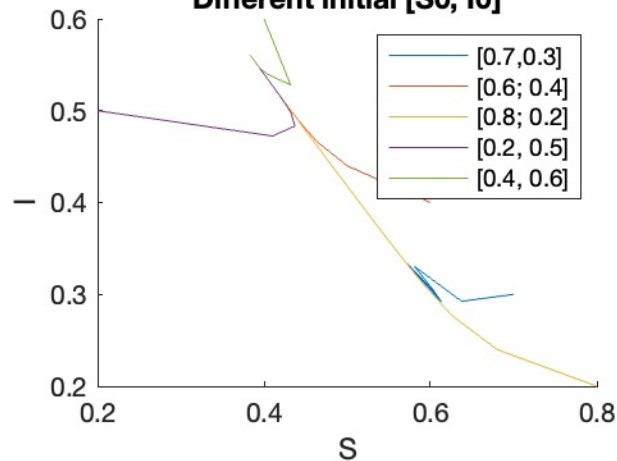
phase plane



The changes of beta

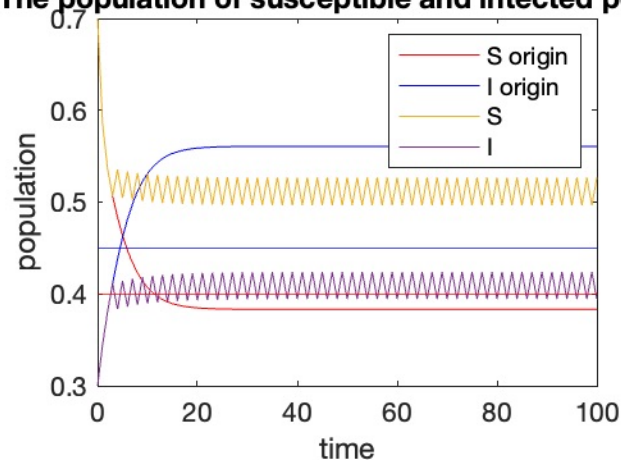


Different initial $[S_0, I_0]$

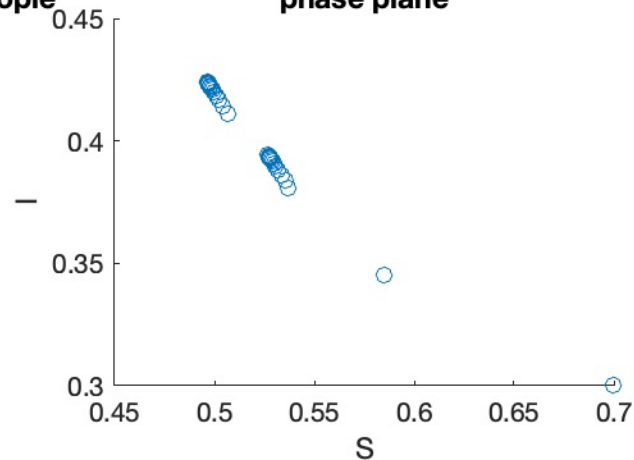


$lc1=0.4, lc2=0.45$

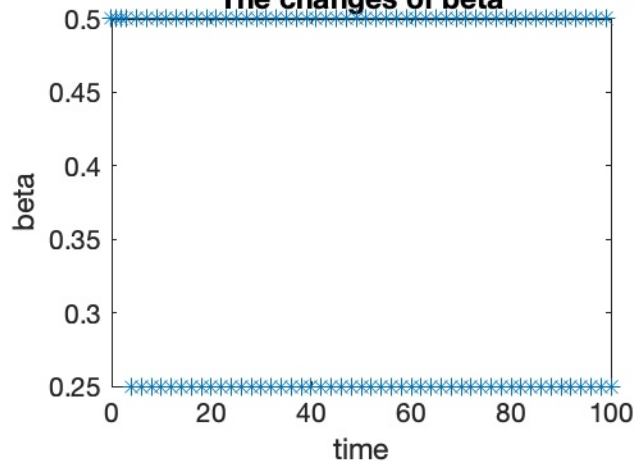
The population of susceptible and infected people



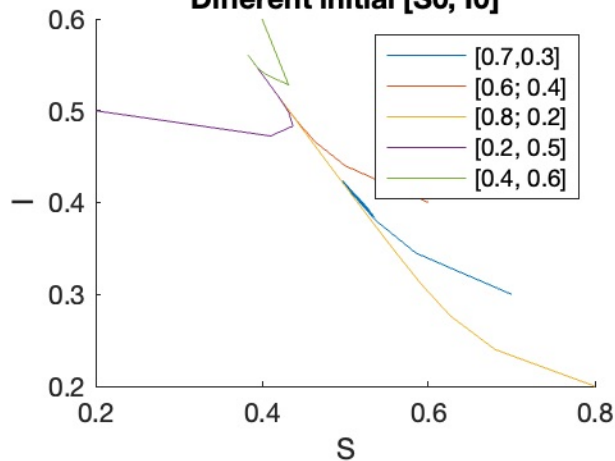
phase plane



The changes of beta

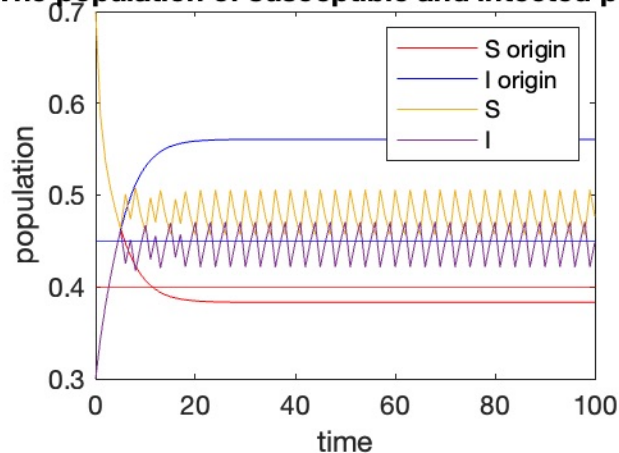


Different initial $[S_0, I_0]$

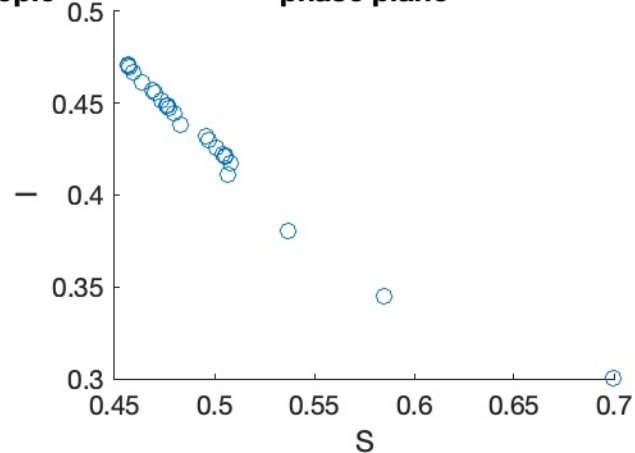


$lc1=0.45, lc2=0.47$

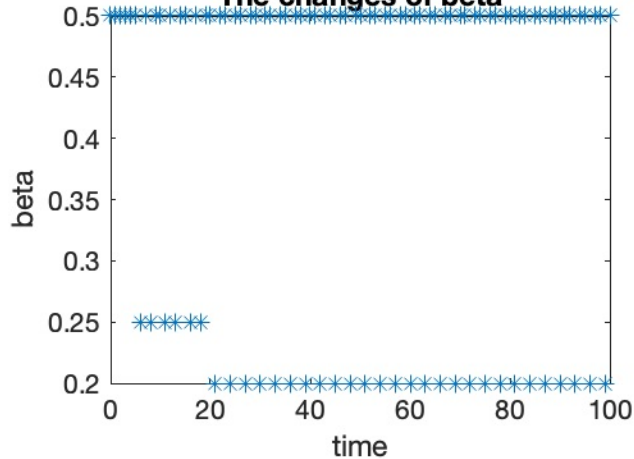
The population of susceptible and infected people



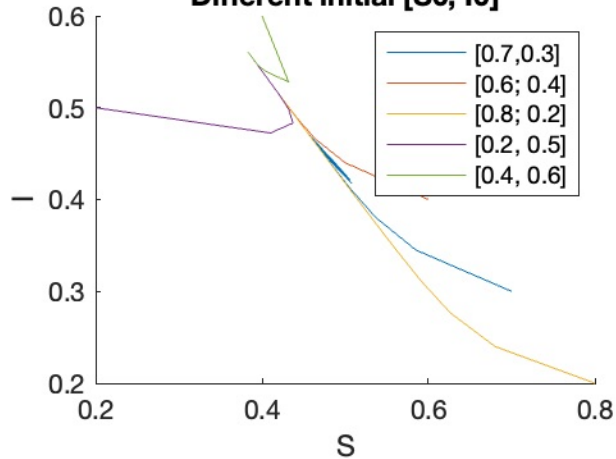
phase plane



The changes of beta

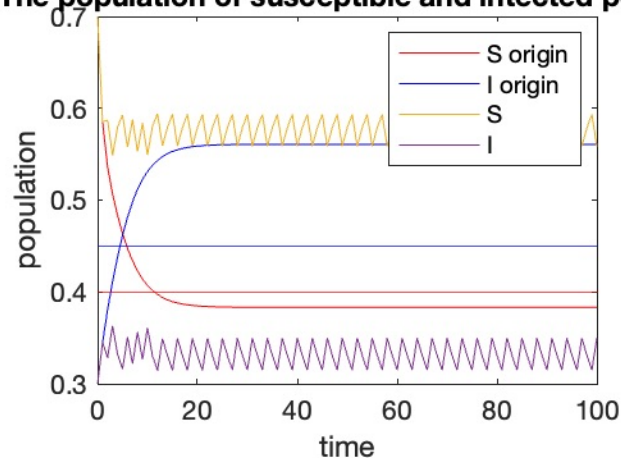


Different initial $[S_0, I_0]$

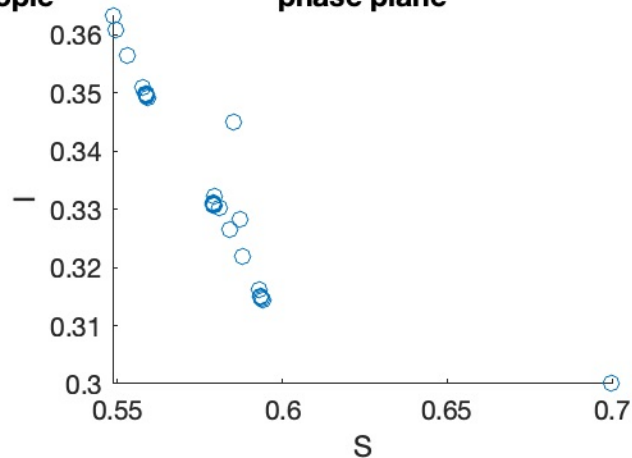


$lc1=0.33, lc2=0.35$

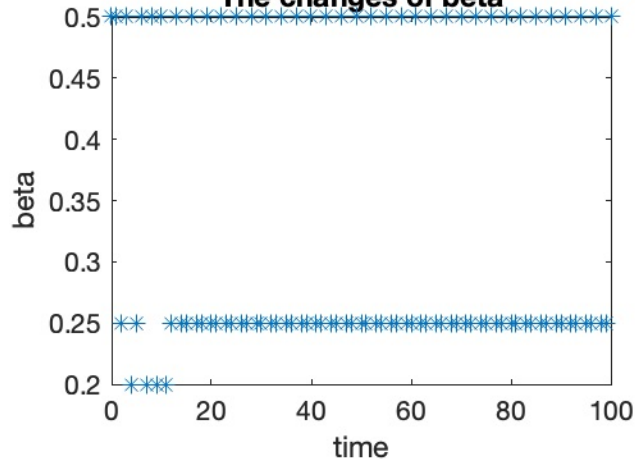
The population of susceptible and infected people



phase plane



The changes of beta



Different initial $[S_0, I_0]$

