

SNA Assignment 2 Report

Subhashis Suara

UCSE19012

Parameters

$N = 1000$

$k = 4$

$p = 0.005$

$S = N - 1$

$I = 1$

$R = 0$

$\beta = 0.6$

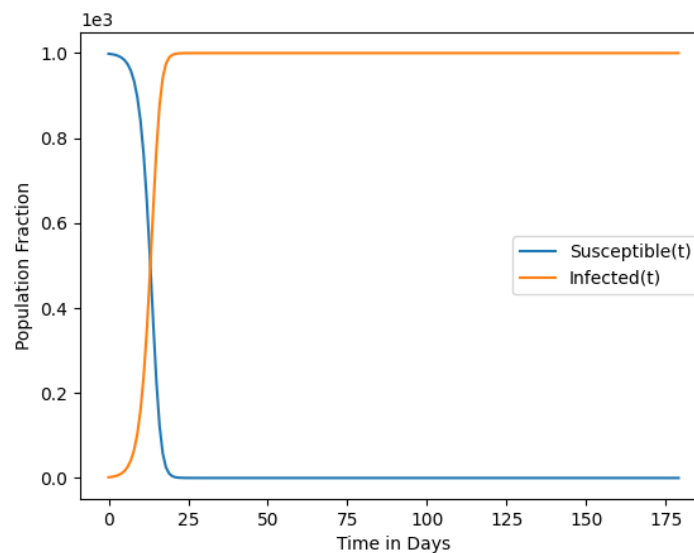
$\gamma = 0.05$

$\mu = 0.2$

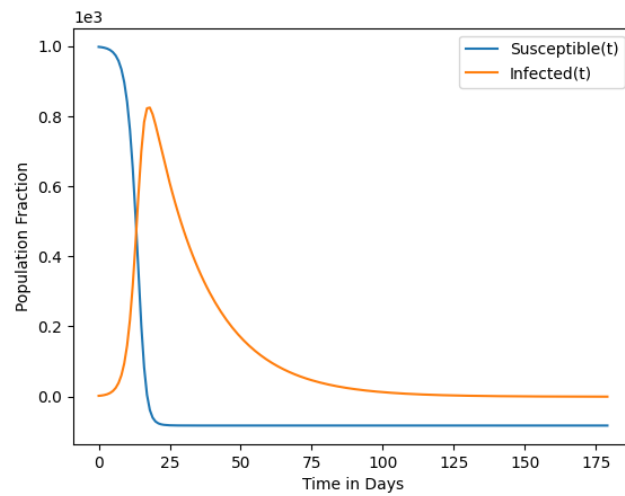
$\lambda = 0.4$

number_of_days = 180

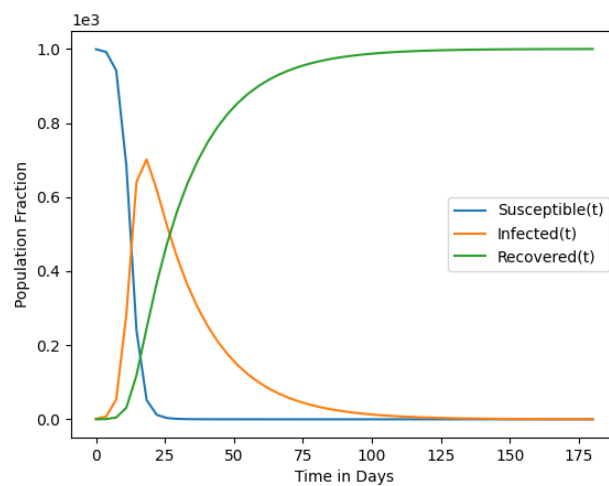
SI Model



SIS Model



SIR Model



SIRS Model

