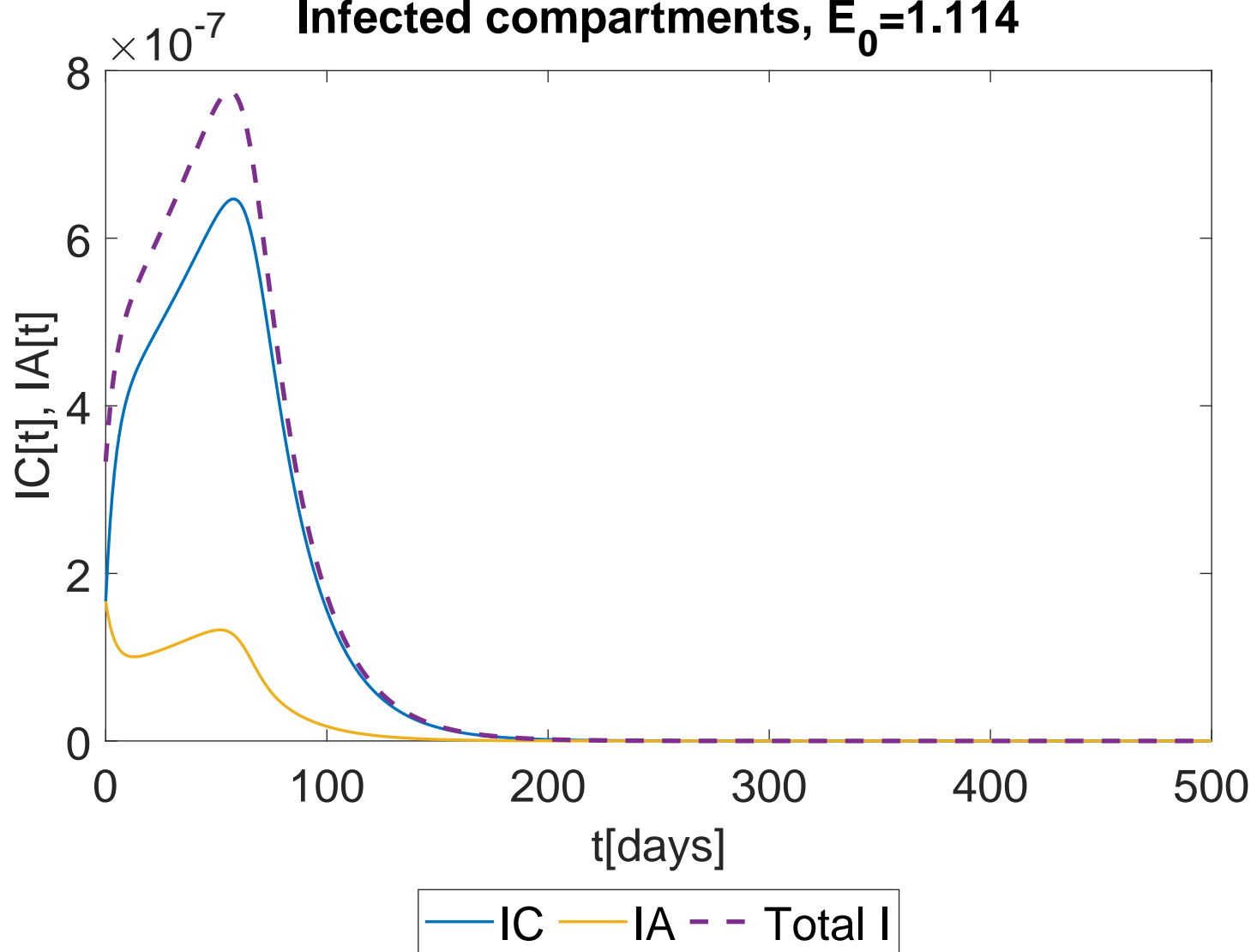


Infected compartments, $E_0=1.114$



$$R_0=3.6$$

$$B_1=7$$

$$B_2=3$$

$$\beta=0.4$$

$$\gamma=0.11$$

$$k_1=0.23$$

$$k_2=0.1$$

$$\lambda_1=0.03$$

$$\lambda_2=0.03$$