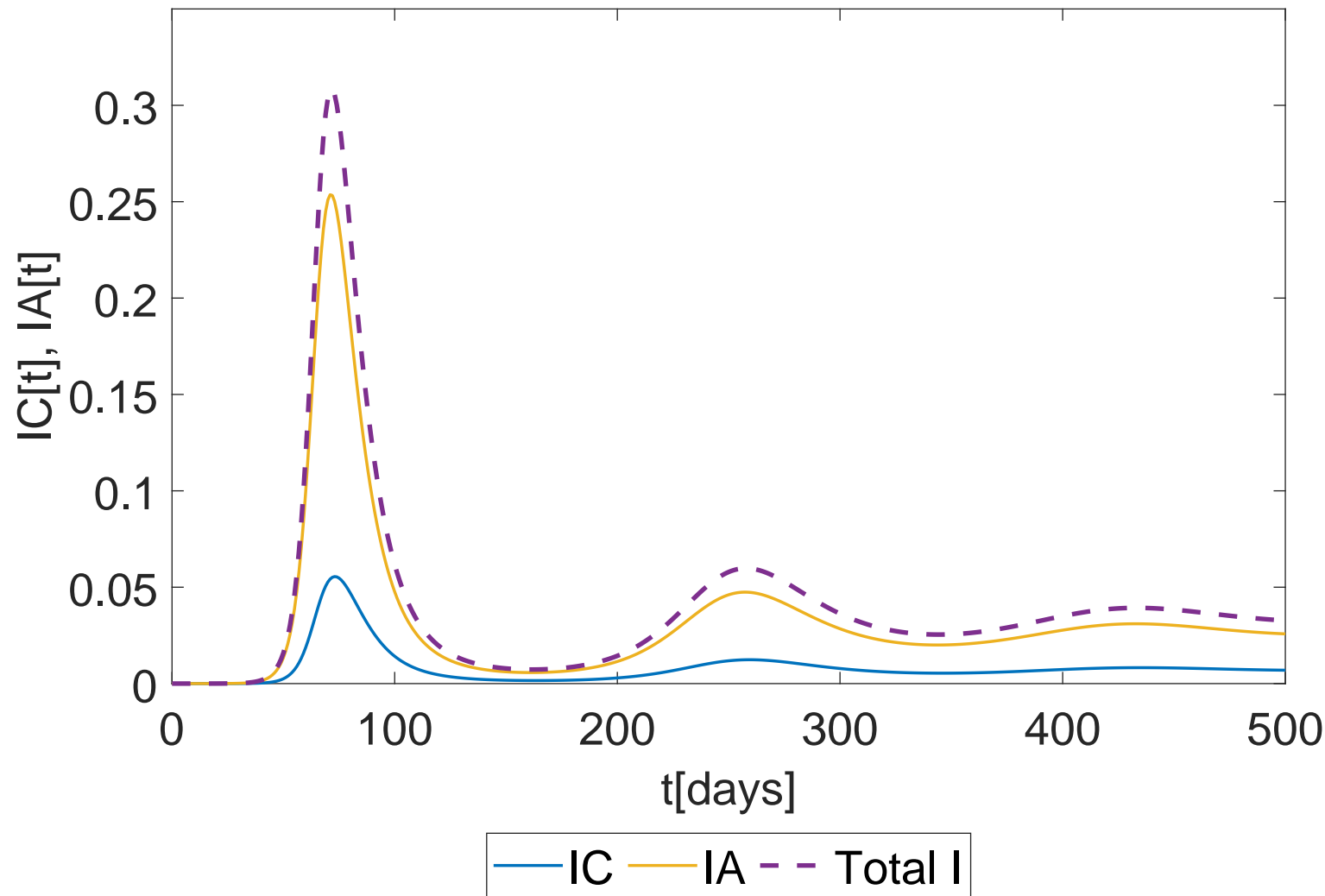


Infected compartments, $E_0=1.982$



$$R_0=3.6$$

$$B_1=3$$

$$B_2=7$$

$$\beta=0.4$$

$$\gamma=0.11$$

$$k_1=0.1$$

$$k_2=3.5$$

$$\lambda_1=0.03$$

$$\lambda_2=0.5$$