1 Model Explanation

The SIRRe model is encapsulated by the following adjustment to the Kendrick-McCormack equations:

$$\frac{dS}{dt} = -\beta SI + \gamma I$$

$$\frac{dI}{dt} = \beta SI - \gamma I - \nu I + \mu R$$

$$\frac{dR}{dt} = \gamma I - \mu dR$$

$$\frac{dD}{dt} = \nu I$$

$$\frac{dRe}{dt} = \mu R$$

syms m n g b