Model:

Loss:

Regularization:

$$L(\theta_i|Y_i) = ||L_i - \hat{L}(P_i, \theta_i)||_2$$

$$L(\theta_i|Y_i) = ||L_i - \hat{L}(P_i, \theta_i)|$$

$$L(\theta_{i}|Y_{i}) = ||L_{i} - \hat{L}(P_{i}, \theta_{i})||_{2}$$

$$\hat{R}_{1P} - R_{1L} + k_{PL}$$

 $r(\theta) = \lambda_1 \|\nabla \theta\|_1 + \lambda_2 \|\theta\|_2^2$

$$\hat{L}(k+1) = e^{-R_{1L}\Delta t}\hat{L}(k) - k_{PL}\frac{e^{-(R_{1P}+k_{PL})\Delta t} - e^{-R_{1L}\Delta t}}{R_{1P} - R_{1L} + k_{PL}}P(k)$$

$$R_{1P} - R_{1L} + k_{PL}$$

$$\|R_{1P} - R_{1L} + \kappa_{PL}\|_{2}$$

 $\|\hat{L}(P_{i}, \theta_{i})\|_{2}$