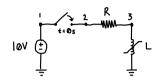


$$V(t) = \frac{2L_{1}}{\Delta t}i(t) + \left\{-V(t-\Delta t) - \frac{2}{\Delta t}\lambda(t-\Delta t) + \frac{2}{\Delta t}\lambda_{kn}\right\}$$

$$= \frac{2}{\Delta t}\left[\lambda_{kn} + L_{1}i(t-\Delta t)\right]$$



$$g_{11} = \frac{1}{R_{SW}}$$
  $g_{21} = -\frac{1}{R_{SW}}$   $g_{31} = \emptyset$   
 $g_{12} = -\frac{1}{R_{SW}}$   $g_{22} = \frac{1}{R_{SW}} + \frac{1}{R}$   $g_{32} = -\frac{1}{R}$ 

$$R_{Ltrap} = \frac{2L}{\Delta t} \quad h_{Ltrap} = -\frac{\Delta t}{2L} v(t - \Delta t) - \frac{1}{L} \lambda (t - \Delta t) + \frac{1}{L} \lambda_K$$

$$R_{Lback} = \frac{L}{\Delta t} \quad h_{Lback} = -\frac{1}{L} \lambda (t - \Delta t) + \frac{1}{L} \lambda_K$$

$$v(t) = \frac{dx(t)}{dt}$$

$$\int_{t-\Delta t}^{t} v(t) dt = \int_{t-\Delta t}^{t} dx(t)$$

TRAPEZDIDAL

$$\frac{V(t) + v(t - at)}{\lambda} \Delta t = \lambda(t) - \lambda(t - bt)$$

$$\frac{V(t) = \frac{2}{at}(\lambda_k + Li(t)) - v(t - at) - \frac{2}{at}\lambda(t - at)}{V(t) = \frac{1}{at}i(t) + \left[-v(t - at) - \frac{2}{at}\lambda(t - at) + \frac{2}{at}\lambda_k\right]}$$

$$\frac{V(t) \Delta t - \lambda(t) - \lambda(t - \Delta t)}{v(t - at) - \lambda(t - \Delta t)}$$

$$R = \frac{2L}{at}$$

$$h = -\frac{bt}{at}v(t - at) - \frac{1}{L}\lambda(t - at) + \frac{1}{L}\lambda_k$$

$$\frac{v(t) \Delta L - \lambda(t) - \lambda(t - \Delta t)}{v(t - at) - \lambda(t - \Delta t)}$$

$$R = \frac{L}{at}$$

$$R = \frac{2L}{\Delta t}$$

$$h = -\frac{\Delta t}{2L}v(t-\Delta t) - \frac{1}{L}\lambda(t-\Delta t) + \frac{1}{L}\lambda_{\kappa}$$

$$V(t)\Delta t = \lambda(t) - \lambda(t - \Delta t)$$

$$V(t) = \frac{1}{\Delta t} (\lambda_k + \text{Li}(t)) - \frac{1}{\Delta t} \lambda(t - \Delta t)$$

$$V(t) = \frac{L}{\Delta t} \text{if} t + \left[ -\frac{1}{\Delta t} \lambda(t - \Delta t) + \frac{1}{\Delta t} \lambda_k \right]$$

$$R = \frac{L}{\Delta t}$$

$$V(t) = \frac{L}{\Delta t} \text{if} t + \left[ -\frac{1}{\Delta t} \lambda(t - \Delta t) + \frac{1}{\Delta t} \lambda_k \right]$$

$$R = \frac{L}{\Delta t}$$

$$h = -\frac{1}{L}\lambda(t - \Delta t) + \frac{1}{L}\lambda_{K}$$