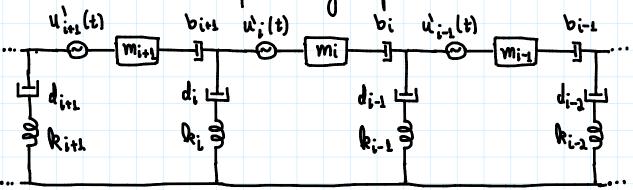
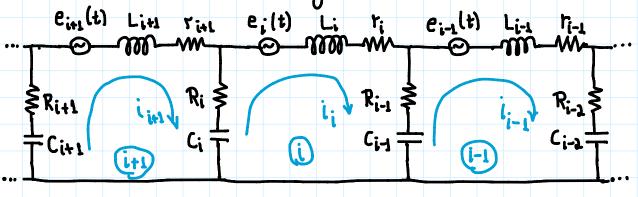


· O circuito mecânico pela analogia tipo 1 fica:



Obs.: wi(t) = u(t) - m; g sun (0i)

· Assim, o circuito elétrico anslogo:



· Malha (i):

·Logo:

$$m_i \ddot{x}_i + (b_i + d_i + d_{i-1}) \dot{x}_i + (k_i + k_{i-1}) \dot{x}_i = u_i \ell_t - m_i g_{\lambda k n} \theta_i + d_{i-1} \dot{x}_{i-1} + k_{i-1} \dot{x}_{i-1} + d_i \dot{x}_{i+1} + k_i \dot{x}_i$$