

$$k_{t0} \, \varphi_6(t) + k_{t0} \, (\varphi_6(t) - \varphi_7(t)) + i_{ym6} \, \varphi_6''(t) = \, c_{t0}(\dot{\varphi}_7 - \dot{\varphi}_6) - \, c_{t0} \, \dot{\varphi}_6$$