

$$k_{t0} \left( \varphi_1(t) - \varphi_2(t) \right) - k_{t0} \left( \varphi_{P1}(t) - \varphi_1(t) \right) = c_{t0}(\dot{\varphi}_{P1} - \dot{\varphi}_1) - c_{t0}(\dot{\varphi}_1 - \dot{\varphi}_2)$$