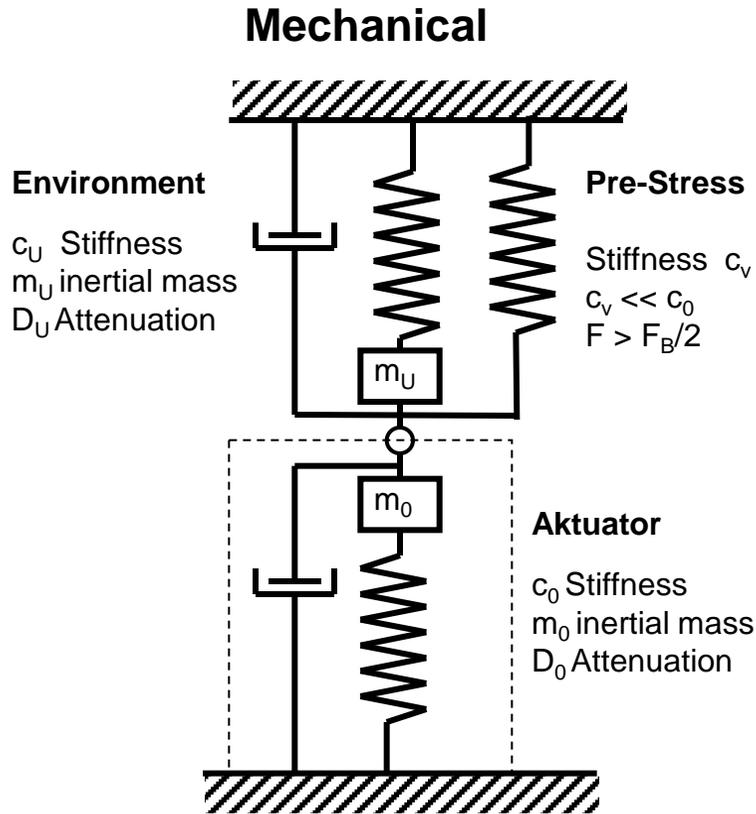
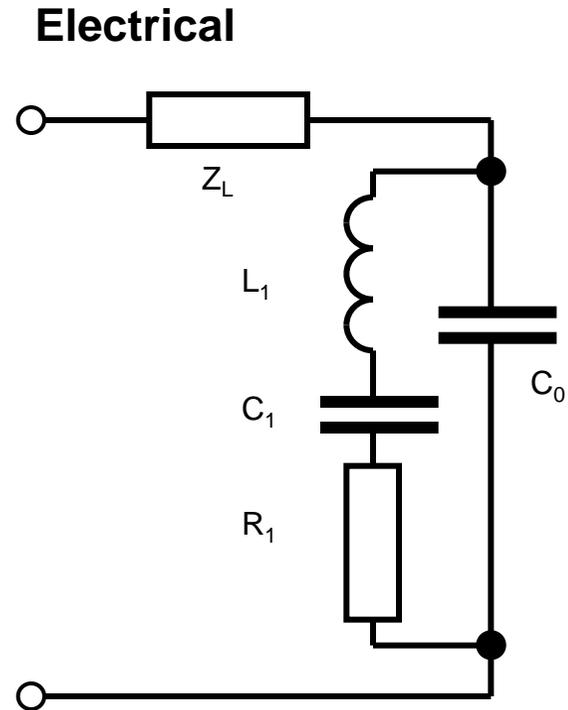


Equivalent Circuits for Dynamic Use of Stack Actuators



$m_0 \gg m_U$: high dynamic use
 $Z_0 = Z_U$: optimal energy transfer



System:

L_1 inertial mass
 C_1 reciprocal stiffness
 R_1 power dissipation
 C_0 Capacitance of Stack
 Z_L wire impedance