

$$1) \quad \begin{cases} H = H_0 \left(\frac{\omega}{\omega_0} \right)^2 - CQ^2; \\ H = H_0 + RQ^2, \end{cases} \quad (1)$$

$$2) \quad W(p) = \frac{H_2(p)}{H_1(p)} = \frac{Q_2(p)}{Q_1(p)} = \frac{e^{-\tau p}}{Tp+1}, \quad (2)$$

$$= \frac{L}{v}; \quad (3)$$

$$\tau = \frac{L}{c}, \quad (4)$$

$$3) \quad M = M \left(0,05 + 0,95 \left(\frac{\omega}{\omega_0} \right)^2 \right), \quad (5)$$

