

$$T = \frac{1}{1 + \underbrace{\frac{1}{4} \left(\frac{\rho v_{Lp}}{\rho_w v_w} \right)^2}_{\text{const}} \sin^2 \left(\frac{2\pi}{\underbrace{v_{Lp}}_{\substack{\uparrow \\ \text{calc before}}}} \right)}$$

A constant impedance

