

$$I_{1}(s) = \frac{V_{1}(s)}{Z_{1}(s)}, \quad I_{2} = \frac{V_{2}(s)}{Z_{2}(s)}$$

$$ma V_1(s) = V_1(s) - V'(s)$$
 , $V_2(s) = V'(s) - V_0(s)$

$$V_2(S) = V'(S) - V_0(S)$$

$$\ell_1 = \ell_2$$
 —

$$= \text{D Siccome} \quad \mathcal{U}_1 = \mathcal{U}_2 \quad - \text{D} \quad \frac{V_1(s) - V_2(s)}{Z_1(s)} = \frac{V_2(s) - V_2(s)}{Z_2(s)} \quad \text{ma} \quad V_2(s) = 0$$

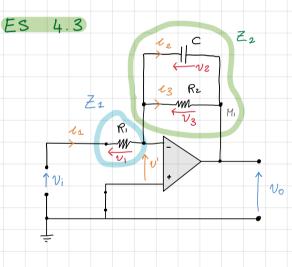
$$ma \qquad \bigvee'(s) = Q$$

$$\frac{V_{1}(s)}{Z_{1}(s)} = -\frac{V_{0}(s)}{Z_{2}(s)} = P \qquad \frac{V_{0}(s)}{V_{1}(s)} = -\frac{Z_{2}(s)}{Z_{1}(s)} \qquad \text{Siccome} \quad G(s) = \frac{V_{0}(s)}{V_{1}(s)}$$

$$\frac{V_0(S)}{V_1(S)} = -\frac{Z_2(S)}{Z_1(S)}$$

Siccome
$$G(S) = \frac{Vo(S)}{Vi(S)}$$

allora
$$G(S) = -\frac{Z_2(S)}{Z_1(S)}$$



SICCOME

$$\frac{2}{2}(S) = \frac{V(S)}{I(S)}$$

$$\frac{\mathcal{L}}{\mathcal{R}} = \frac{\mathcal{R}}{\mathcal{Z}} = \frac{\mathcal{R}}{\mathcal{Z}} = 0$$

$$\frac{2}{2}(t) = \frac{v}{c} \Rightarrow \frac{2}{3}(s) = \frac{\sqrt{3}}{2}(s)$$

$$L_0 \ \underline{2}_c(s) = \frac{1}{Cs}$$

$$\frac{R}{CS} = \frac{R_2}{R_2CS + 1}$$

$$\underset{\leftarrow}{\mathcal{L}_{c}}(s) = \underset{Ls}{\underline{I}_{c}}$$

$$\underline{2}_{c}(s) = \frac{1}{Ls}$$

$$\frac{2}{2}$$
_R = R₁

$$\frac{Z_{1}}{Z_{R}} = R_{1}$$

$$= D \quad \frac{V_{0}(S)}{V_{1}(S)} = -\frac{Z_{2}(S)}{Z_{1}(S)} = \frac{R_{2}}{R_{2}CS + 1}$$

$$= \frac{R_{2}}{R_{1}} \quad \frac{A}{R_{2}CS + 1}$$

$$= \frac{R_2}{R_1} \cdot \frac{1}{R_2Cs + 1}$$