

$$\frac{z_1 z_5}{z_2 z_7} = \epsilon$$

$$\begin{array}{l} 0.001 \\ 0.0001 \end{array}$$

$$z_1 z_5 - \epsilon z_2 z_7 = 0$$

$$\chi_A(\lambda) = \det(\lambda I - A) = 0 \quad \text{problema de eigenvalores}$$

si p es un polo del sistema

$$\Rightarrow \chi_A(p) = 0$$

$$\chi_A(0) = 0$$

$$\frac{z_1 z_5}{z_2 z_7} = \epsilon \quad \epsilon \rightarrow 0$$

$$z_1 z_5 = \epsilon z_2 z_7$$

$$\Rightarrow z_1 z_5 - \epsilon z_2 z_7 = 0$$

$$u = -K(x + x_{ss}) + u_{ss}$$

$$u = -Kx - K_I x_I$$