MR

$$C^T = \begin{pmatrix} C_1 & C_2 \end{pmatrix}$$

$$\underline{C}^T \cdot \underline{x} + \underline{D} \cdot u = \underline{C}^T \Big(\underset{\begin{pmatrix} \triangledown \\ \blacktriangledown \end{pmatrix}}{\underline{x}_{e1}} e^{\lambda_1 t} + \underset{\begin{pmatrix} \blacksquare \\ \square \end{pmatrix}}{\underline{x}_{e2}} e^{\lambda_2 t} + \underline{x}_g \Big) + \underline{D} \cdot u$$

$$y = \underbrace{(* \; \pentagon) \begin{pmatrix} \triangledown \\ \blacktriangledown \end{pmatrix} e^{\lambda_1 t} + (* \; \pentagon) \begin{pmatrix} \blacksquare \\ \square \end{pmatrix} e^{\lambda_2 t}}_{\text{tranziens}} + \underbrace{\left(\underline{C}^T \cdot \underline{x}_g + \underline{D} \cdot u \right)}_{\text{állandósult}}$$

$$\underline{x}(t) = \underbrace{\underline{m}_1 \cdot k_1}_{\underline{x}_{e1}} e^{\lambda_1 t} + \underbrace{\underline{m}_2 \cdot k_2}_{\underline{x}_{e2}} e^{\lambda_2 t} + \underline{x}_g$$

$$\Rightarrow \underline{x}_e = \begin{pmatrix} \triangledown & \blacksquare \\ \blacktriangledown & \square \end{pmatrix}$$