linian-> f(x,u)= ax+ bu+> $x = \int (x, u)$ $\Delta(x_n, y_n)$ $f(x,u) = f(x_1,u_1) + \frac{\partial f(x_1,u_2)}{\partial x} + \frac{\partial f(x_1,u_2)}{\partial x}$ (rechnotate) TOS

 $f(x,u)-f(x_1,u_1)=\Delta f$ $\Delta f = m_1 \Delta x - m_2 \Delta U$

Aproximarea Uniona

-> superpozitie -> omogenitate

en functi de transfer Modele

$$H(s) = \frac{N(s)}{\Delta(s)}$$

 $H(S) = \frac{N(S)}{S(S)}$ and $\frac{1}{2}$ and $\frac{1}{2}$ and $\frac{1}{2}$ and $\frac{1}{2}$ $\frac{1}{2}$ and $\frac{1}{2}$ $\frac{1}{2}$ and $\frac{1}{2}$ $\frac{1}{2}$

grad B(s) -> gradul sistemului

$$\begin{bmatrix} a & 5 & 7 & 7 & 1 \\ c & d & 3 & 7 \end{bmatrix} = \frac{1}{ad-bc} \begin{bmatrix} d & -b \\ -c & a \end{bmatrix}$$

$$x_{1} = 5x_{1} - 2x_{2} + U$$
 $x_{2} = -6x_{1} + 3x_{3} - 5U$
 $x_{3} = 6x_{2} - 4x_{3}$
 $y = 5x_{3} - 5x_{3}$

 $\int X_1 = 5X_1 - 2X_2 + 4$ $\int X_2 = -6X_1 + 3X_3 - 54$ \rightarrow \times_3 1 x3 = 6 x2 - 4x3

H 7 =

Functi de transfer y(+) = L [HO) - R(s)] Eigenvalues (-1) det (A->I) =0 ec. conacteristica Y(1) = Hn H2 R1(1) + H2 R2(18) H₁ -> H₂ -> O— — H3— 1-Hy Hz Hz

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Matrici de transfer

Y= H.2