$$y = \begin{pmatrix} y_1 \\ y_2 \end{pmatrix} = \begin{pmatrix} x_1 \\ n_2 \end{pmatrix}$$

•
$$\dot{y}_1 = -\kappa_4 \cdot \sin \pi_3 \cdot \kappa_3 + \kappa_4 \cdot \cos \kappa_3$$

 $\dot{y}_1 = -\kappa_4 \cdot \kappa_4 \sin \pi_3 + \kappa_2 \cdot \cos \kappa_3$

•
$$y_2 = x_4 \sin x_3 + x_4 x_3 \cos x_3$$
= $u_2 \cdot \sin x_3 + u_4 \cos x_3 \cdot x_4$

· /4/2

sous forme matricielle ar obtient:

$$\begin{pmatrix} \dot{y}_1 \\ \dot{y}_2 \end{pmatrix} = \begin{pmatrix} -\chi_{\dot{y}} \cdot mn\chi_{\dot{x}} & \cos \chi_{\dot{x}} \\ \chi_{\dot{y}_2} \cdot mn\chi_{\dot{x}} & \sin \chi_{\dot{x}} \\ \chi_{\dot{x}} \cdot mn\chi_{\dot{x}} & \chi_{\dot{y}} \cdot mn\chi_{\dot{x}} \\ A(\chi) \end{pmatrix} \begin{pmatrix} u_1 \\ u_2 \end{pmatrix}$$

= Du = A^(n). 5 avec 5: nouvelle entrée 5.

on prend
$$\sigma_i$$
 $C - \left(\frac{\kappa_n}{\kappa_r}\right) + 2 \cdot \left(i - \left(\frac{\kappa_u \cos \kappa_2}{\kappa_u \sin \kappa_2}\right)\right) + i(t)$

over $c(t) = \left(\frac{\cos(at + \frac{2i\pi}{m})}{\sin(at + \frac{2i\pi}{m})}\right)$

-0

were
$$0 = (3.4 \cdot \cos(at))$$
 $0 = (3.4 \cdot \cos(at))$
 0

were
$$\tilde{D} = \begin{pmatrix} -15a^2 \sin(at) \\ 0 \end{pmatrix}$$

M