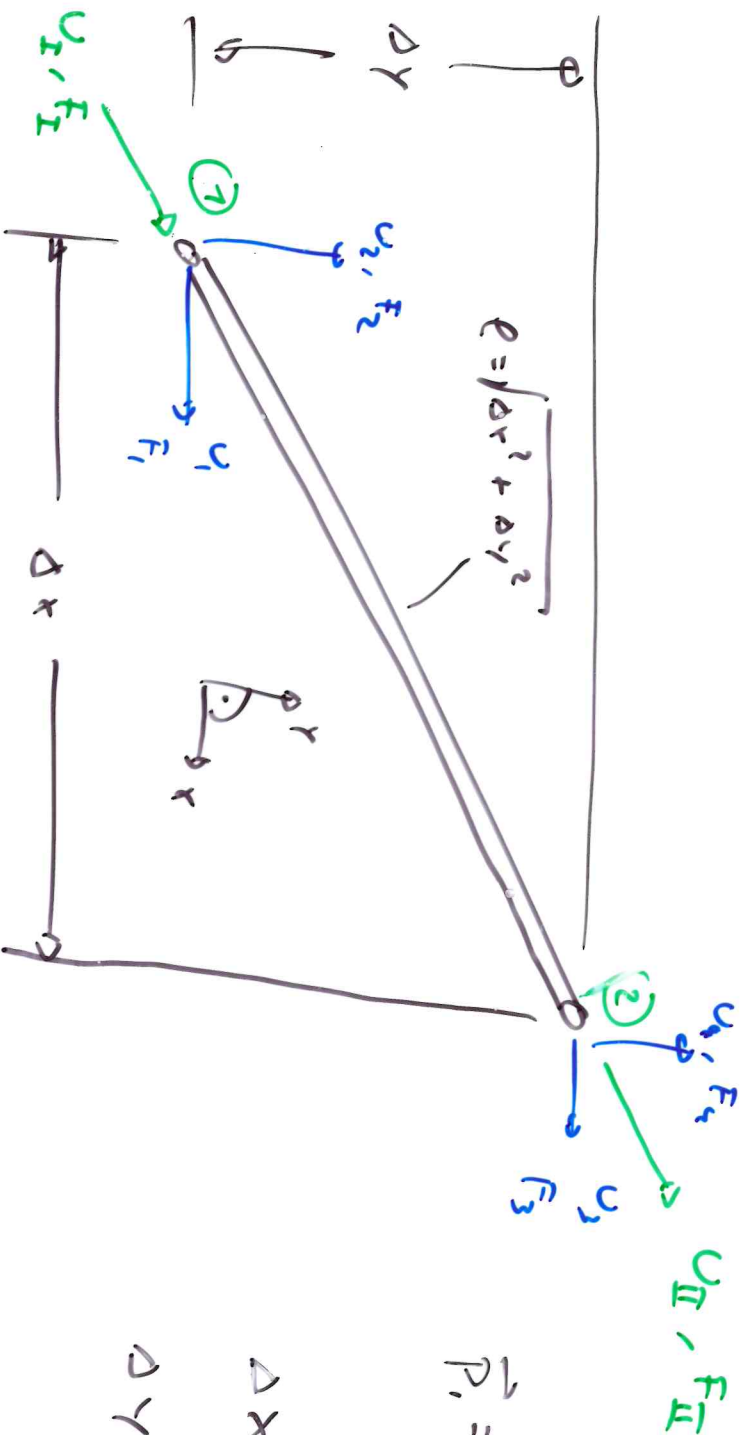


Interpretation der Steifigkeitsmatrix



$$\vec{P}_1 = \begin{bmatrix} x_1 \\ y_1 \end{bmatrix}, \quad \vec{P}_2 = \begin{bmatrix} x_2 \\ y_2 \end{bmatrix}$$

$$\Delta x = x_2 - x_1$$

$$\Delta y = y_2 - y_1$$

$$\begin{bmatrix} u_1 \\ v_1 \end{bmatrix} = \begin{bmatrix} \frac{\partial x}{\partial e} & \frac{\partial y}{\partial e} & \cdot & \cdot \\ \cdot & \cdot & \frac{\partial x}{\partial e} & \frac{\partial y}{\partial e} \end{bmatrix} \begin{bmatrix} u_1 \\ v_1 \\ u_2 \\ v_2 \end{bmatrix}$$

$[T]$