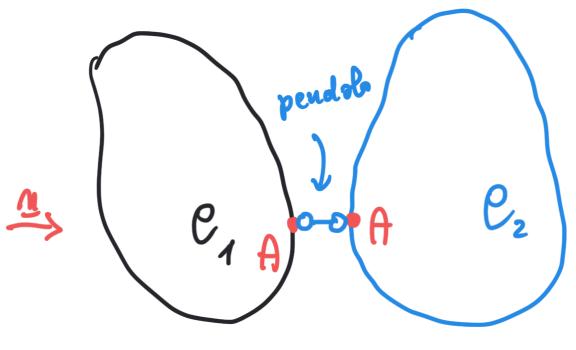
2.4.3 Conett. cinem. vineoli interni pendolo - bielle - carrello interni esempi

cernière
glifo-doppio penoble
ceoliment

CARATTERIZZAZIONE CINEMATICA
DEI VINCOLI INTERNI
Carrello interno, puncho, biella



Rappresentazione grafica

Rophres. anal-tira

لي

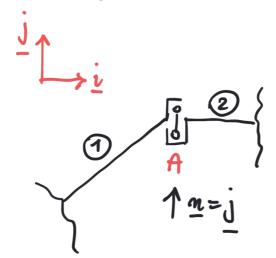
 $\Delta u_A \cdot \underline{n} = 0$

versore oppure (u42- u41)- 1=0

A punto commune

 $\Delta u = u_2 - u_1$





$$\Delta u_{A} \cdot j = \rho$$

$$(u_{A2} - u_{A1}) \cdot j = \rho$$

$$u_{A2} \cdot j - u_{A1} \cdot j = \rho$$

$$v_{A2} \cdot j - v_{A1} \cdot j = \rho$$

Oppure

$$m = \frac{1}{\sqrt{2}} + \frac{1}{\sqrt{2}}$$

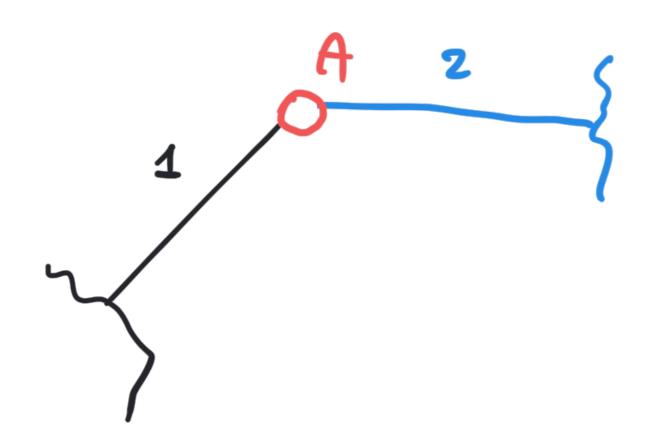
$$\left(\underline{u}_{A2} - \underline{u}_{A1}\right) \cdot \underline{m} = 0$$

$$\frac{\mathcal{U}_{A2} \cdot \underline{m} - \underline{u}_{A1} \cdot \underline{m} = 0}{\sqrt{2} u_{A2} \cdot \underline{i} + \sqrt{2} u_{A2} \cdot \underline{j} - \sqrt{2} u_{A1} \cdot \underline{i} - \sqrt{2} u_{A2} \cdot \underline{j}} = 0$$

$$u_{A2} \quad v_{A2} \quad v_{A3} \quad v_{A4} \quad v_{A$$

$$u_{A2} + v_{A2} - u_{A1} - v_{A1} = 0$$

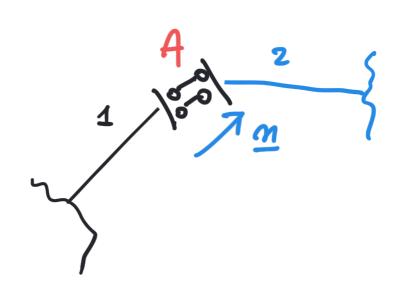
CERNIERA interna



$$\Delta u_A = 0$$

$$u_{A2} - u_{A1} = 0 \iff \begin{cases} u_{A2} - u_{A1} = 0 \\ v_{A2} - v_{A1} = 0 \end{cases}$$

Glifo - doppio pendolo



$$\Delta u_{A} \cdot \underline{n} = 0$$
, $\Delta \vartheta = 0$

$$\int \frac{u_{A2} \cdot \underline{m} - u_{A1} \cdot \underline{n} = 0}{0}$$

$$\frac{u_{\pm i}}{u_{A2}-u_{A1}=0}$$

$$0 = u_{A2} + v_{A2} - u_{A1} - v_{A1}$$

$$0 = v_{2} - v_{1}$$