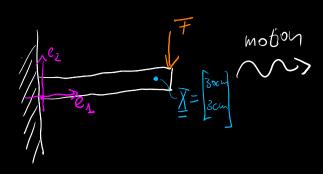
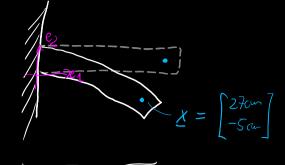
## Configuration and Motion Introduction & Example



one confinction (ofference confi)

motion: configuration



comother configuration (Sp. tal configuration)

-> the point starys the sme, it just moves ("the atom stays thesone")

Continuum potato

U. ... displacement Vector Aparce potado

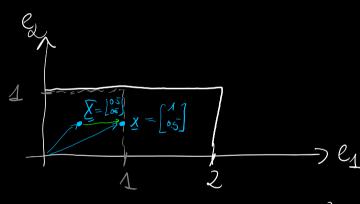
spatial pstato

(could be transim)

Motar:  $X = \chi(X,t)$ 

X = X + u

Example



$$X = \chi(\underline{X}, t) \xrightarrow{\text{hee}} \chi(\underline{X}) = \begin{bmatrix} \chi_{1} \\ \chi_{2} \end{bmatrix} = \chi_{1} = \begin{bmatrix} \chi_{1} \\ \chi_{2} \end{bmatrix} + \begin{bmatrix} \chi_{1} \\ \chi_{2} \end{bmatrix}$$