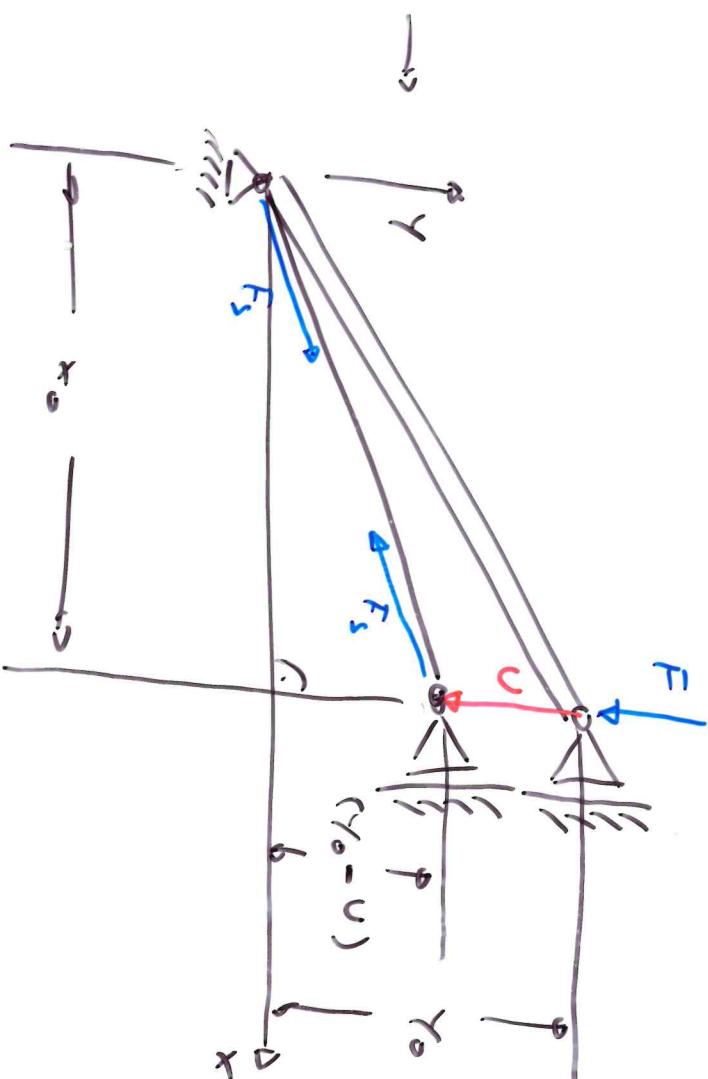
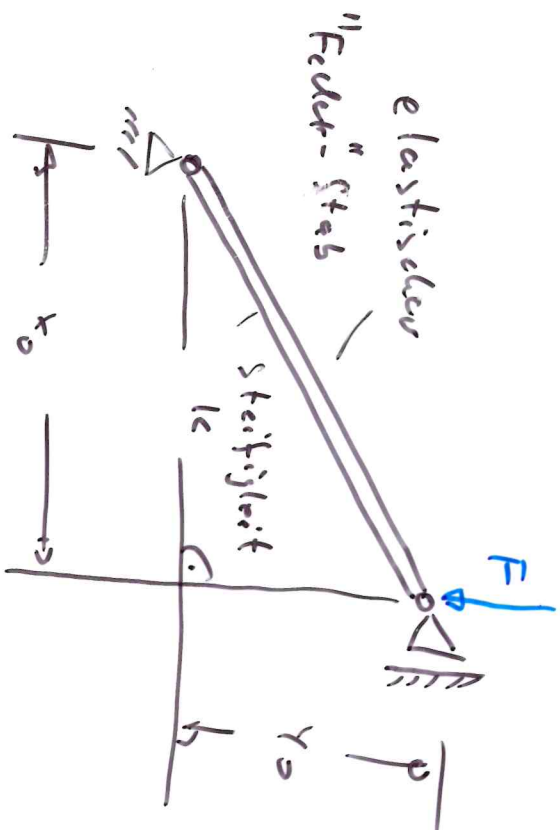


Die Idee der Finiten Elemente



Kraft im Stab F_s (Stab hat die Steifigkeit k)

$$F_s = k \cdot \Delta l = k \cdot (L(u) - L(0))$$

$$\text{mit: } L(u) = \sqrt{x_0^2 + (y_0 - u)^2}$$

$$\text{und } L(0) = \sqrt{x_0^2 + y_0^2}$$