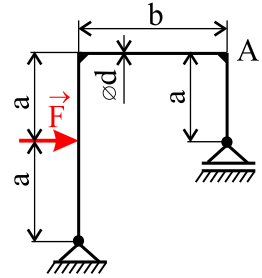


Problem 620

Determine the displacement of the point A of the frame supported and loaded according to the figure.

Input values::

$$\begin{aligned} a &= 0,8 \text{ m}, & \varnothing d &= 30 \text{ mm}, \\ b &= 1 \text{ m}, & F &= 1 \text{ kN}, \\ E &= 2 \cdot 10^5 \text{ MPa}, & \sigma_K &= 300 \text{ MPa} \end{aligned}$$



angular beams

procedure of solving supported beams