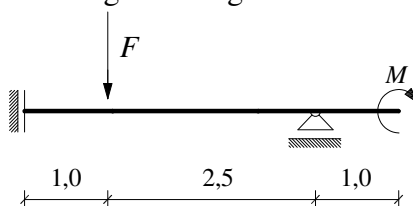


GS 1. – 12.06.2012.

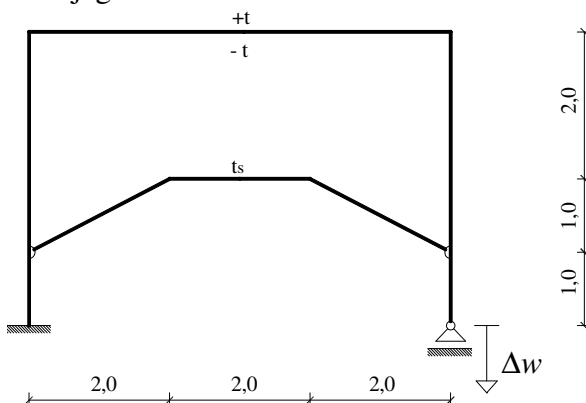
1. Odredite progibnu liniju zadanog statičkog sustava.



$$M = 100 \text{ kNm}$$

$$F = 100 \text{ kN}$$

2. Odredite momentni dijagram.



$$t = 14^\circ \text{ C}$$

$$t_s = -15^\circ \text{ C}$$

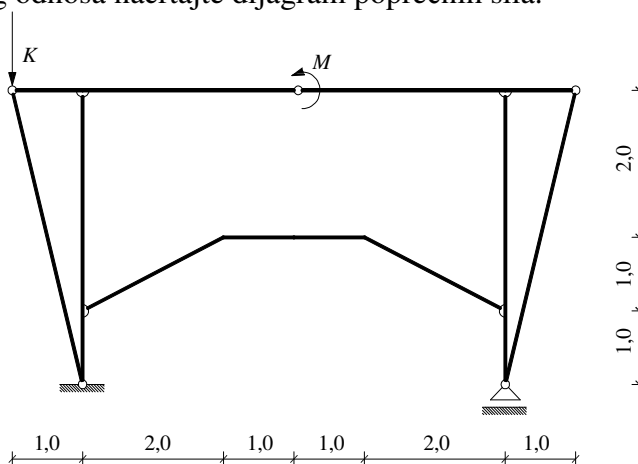
$$\alpha_t = 10^{-5} \text{ K}^{-1}$$

$$E = 3 \cdot 10^7 \text{ kN/m}^2$$

$$\frac{b}{h} = \frac{25}{25} [\text{cm}]$$

$$\Delta w = 1,4 \text{ cm}$$

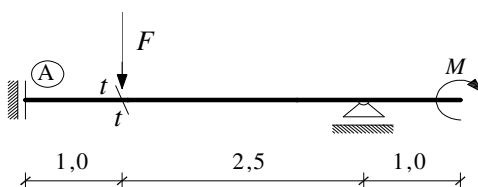
3. Superpozicijskim postupkom nacrtajte dijagram momenata savijanja. Primjenom diferencijalnog odnosa nacrtajte dijagram poprečnih sila.



$$K = 150 \text{ kN}$$

$$M = 200 \text{ kNm}$$

4. Pomoću utjecajnih linija odredite veličinu momenta na ležaju A (M_A) i veličinu momenta u presjeku $t-t$ (M_{t-t}).



$$M = 100 \text{ kNm}$$

$$F = 100 \text{ kN}$$

