

GS 2. (2007./2008.): 2. kolokvij — popravni

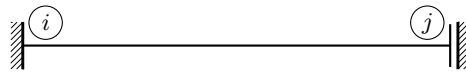
Teorijski dio

1. (25) Na temelju poznatih izraza za $m_{i,j}$ i $m_{j,i}$ na krajevima obostrano upete gredi,

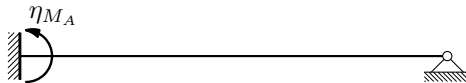
$$m_{i,j} = 4k_{i,j}\varphi_i + 2k_{i,j}\varphi_j - 6k_{i,j}\psi_{i,j},$$

$$m_{j,i} = 2k_{i,j}\varphi_i + 4k_{i,j}\varphi_j - 6k_{i,j}\psi_{i,j},$$

statičkom kondenzacijom izvedite izraze za $m_{i,j}^c$ i $m_{j,i}^c$ na gredi sa slike.



2. (20) „Dokažite” teorem Müller–Breslaua na primjeru η_{M_A} .



3. (5) Zašto je u Crossovu postupku prijenosni koeficijent $1/2$?