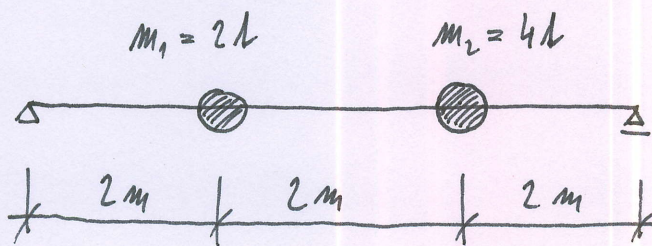


Homework n. 5

Determine the eigenfrequencies and scaled eigenmodes of the system depicted in figure. Draw the eigenmodes and check the orthogonality condition.



$$EI = 90 \text{ MNm}^2$$
$$\mu = 0 \text{ kg m}^{-1}$$