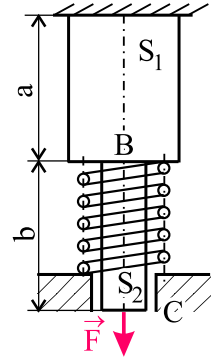

Problem 407

Derive a relation describing the displacement of the point C of the bar in the figure. In the point B, the bar is supported by a flexible support with stiffness value of K [Nm^{-1}]. The influence of gravitational forces can be neglected.

Input values: a, b, E, S_1, S_2, F, K .



tension

displacement

released structure