

CIV-E4040 Reinforced Concrete Structures

Examination 16.4.2020 (remote examination using My Course)

A precondition for the participation in the examination is the fulfilment of compulsory parts of the course in the spring 2020 or earlier.

Question 2a

This question is to be answered using the online option of the assignment within the period given

2.

- a) In the figure below, the permanent load q [kN/m] acts downward and includes the mass of the beam. Write the equations to solve the support reactions A and B from the load q . Determine the equation of the moment diagram and define its extreme values as a function of q . (2p)

