



# Beam Analysis

April 23, 2024, 4:56 p.m.

## Beam details

This beam is 0.1m in length, with a second moment of area of  $0.083333\text{cm}^4$  and a Young's Modulus of 200GPa. No self-weight is applied to the beam.

The left end of the beam is fixed in position

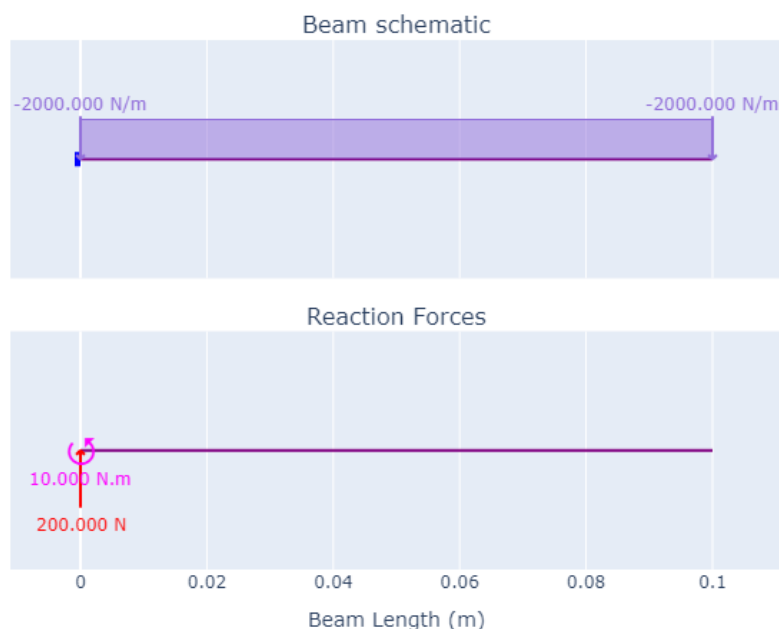
There are no pin joints used to support the beam at any positions

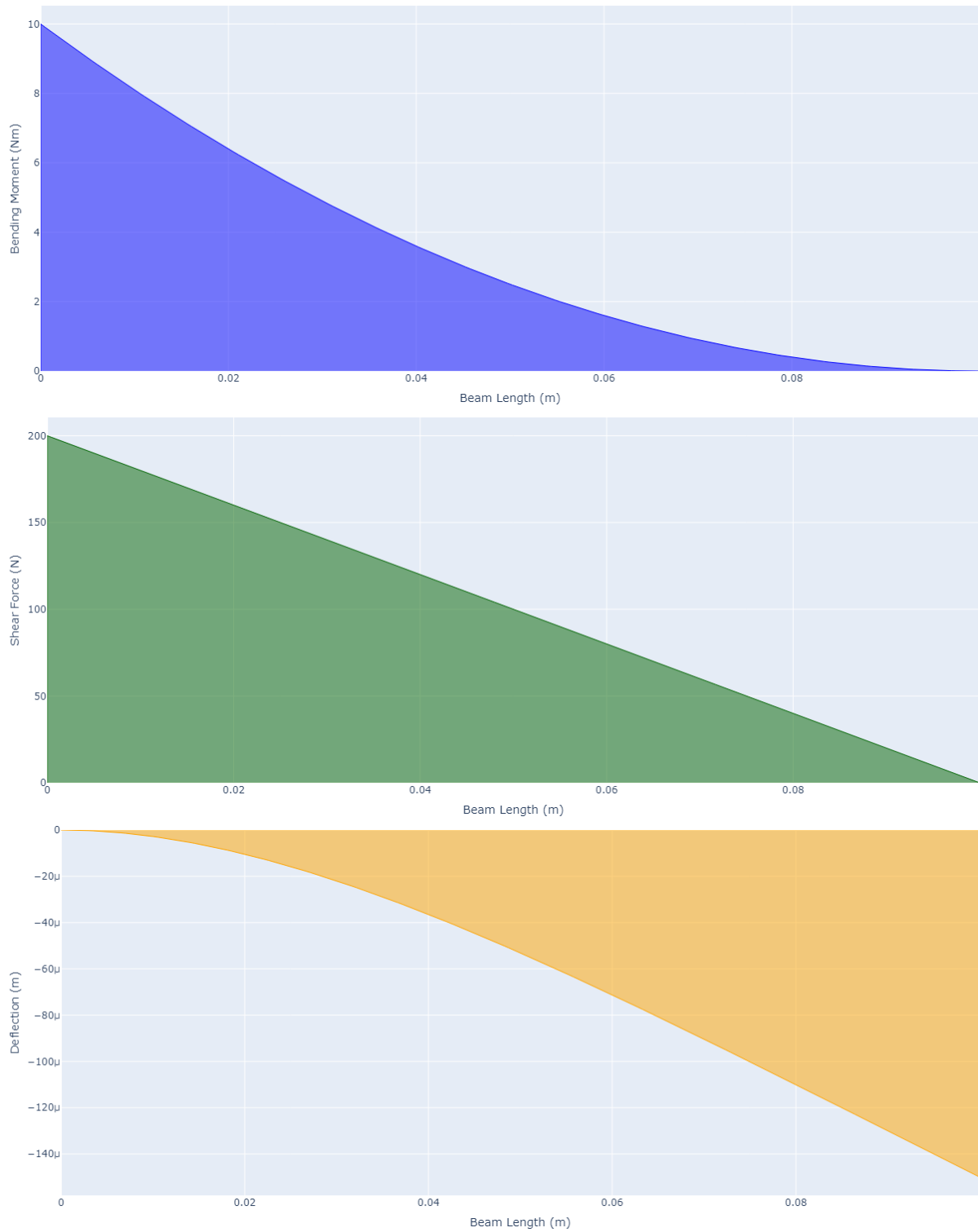
No point loads are applied to the beam at any positions

Varying Distributed Loads are applied to the beam at the following positions:  
2.0-2.0kN/m from 0m to 0.1m,

## Beam force diagrams:

### Beam External Conditions





## Beam forces summary

	Max predicted	Min predicted
<b>Bending moment</b>	0kNm	0kNm
<b>Shear force</b>	0.2kN	0kN
<b>Deflection</b>	0mm	0mm