



# Beam Analysis

April 23, 2024, 4:52 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.

Neither end of the beam is fixed in position

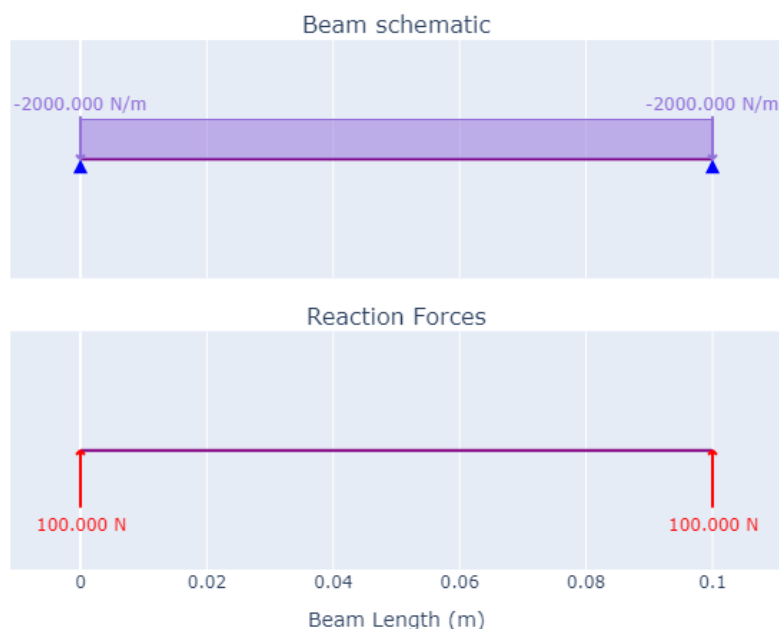
Pin joints support the beam and are positioned at: 0.1m, 0m,

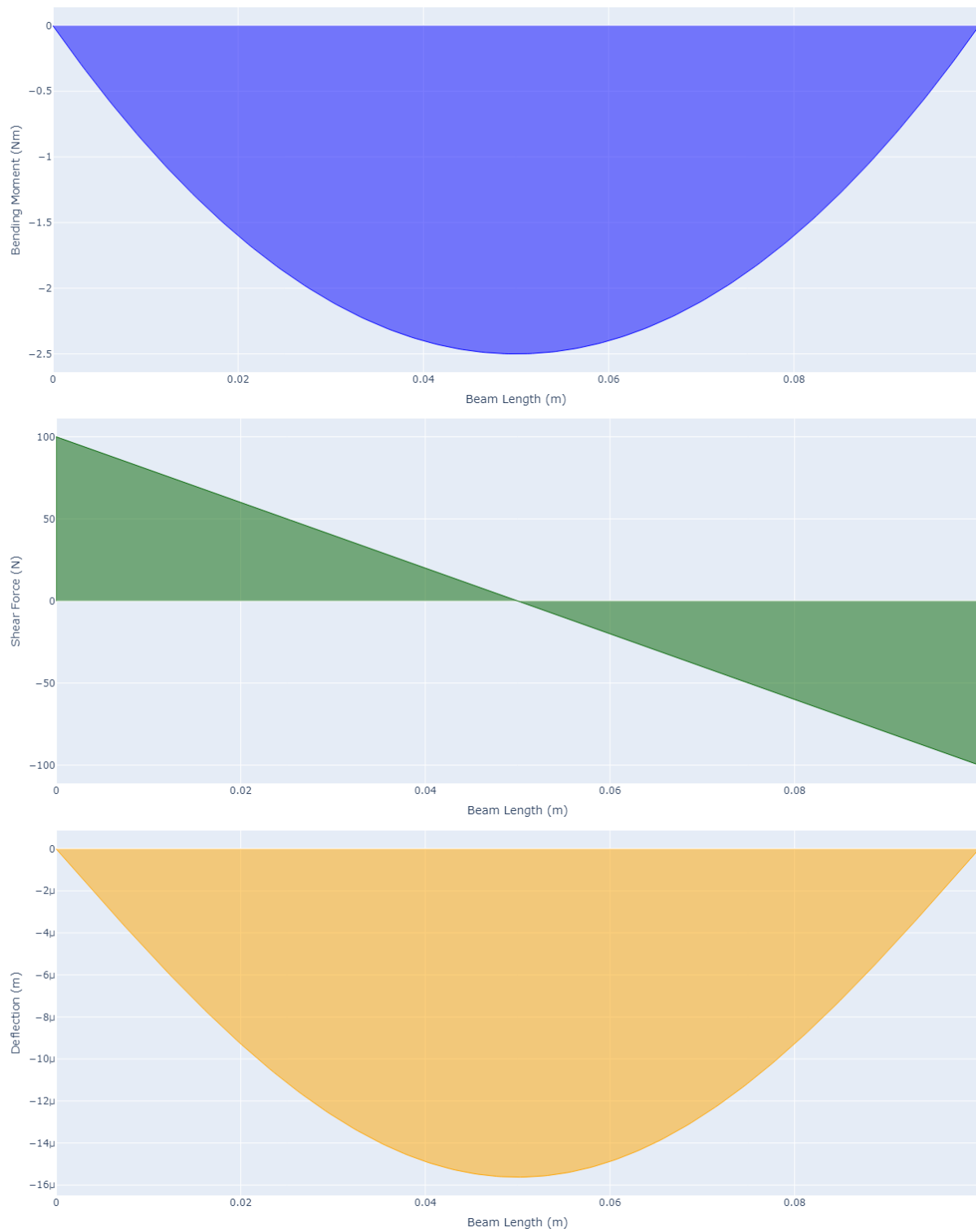
No point loads are applied to the beam at any positions

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>	0.1kN	-0.1kN
<b>Deflection</b>	0mm	0mm