



Beam Analysis

April 23, 2024, 4:57 p.m.

Beam details

This beam is 0.1m in length, with a second moment of area of 0.083333cm^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

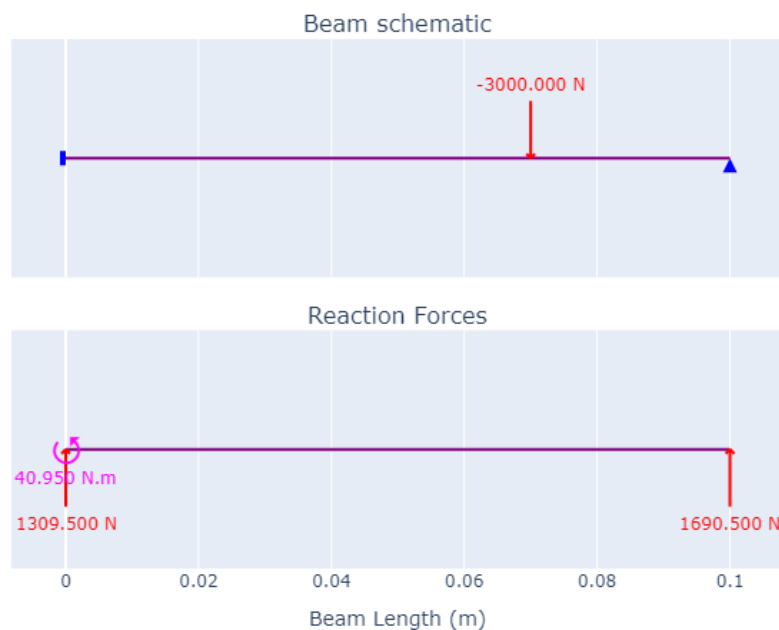
Pin joints support the beam and are positioned at: 0.1m,

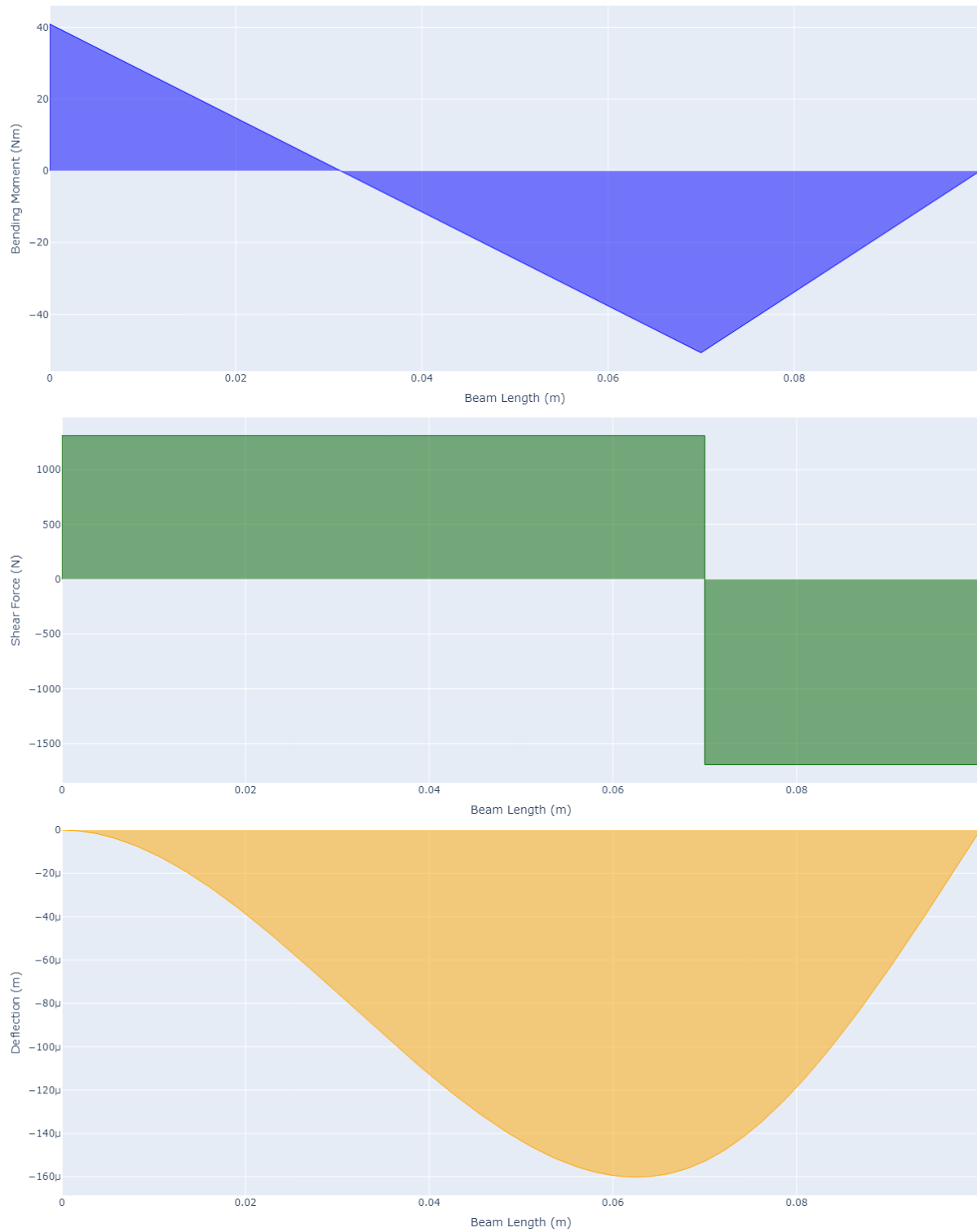
Point loads are applied to the beam at the positions: 3.0kN at 0.07m,

No Varying Distributed Loads are applied to the beam at any positions

Beam force diagrams:

Beam External Conditions





Beam forces summary

	Max predicted	Min predicted
Bending moment	0.1kNm	0kNm
Shear force	1.3kN	-1.7kN
Deflection	0mm	0mm