

Beam_2

August 1, 2019

Beam Case: Simply Supported Beam - Partially Distributed Load

Values used in calculations

$w = 10.0 \text{ N / mm}$

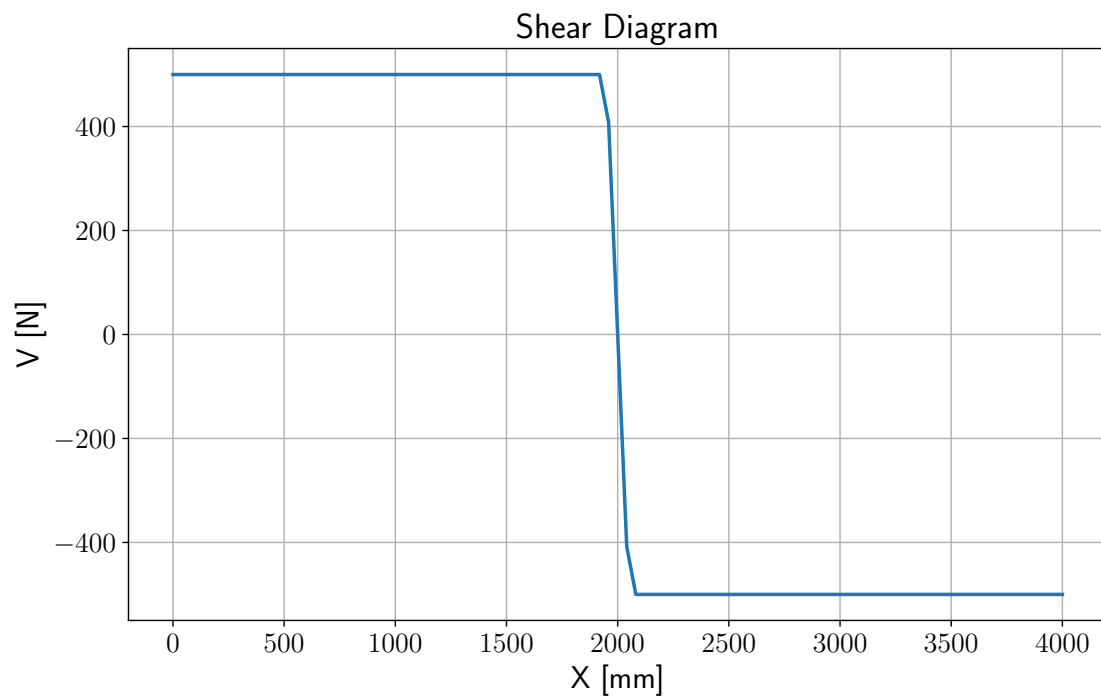
$L = 4000 \text{ mm}$

$a = 1950 \text{ mm}$

$b = 100 \text{ mm}$

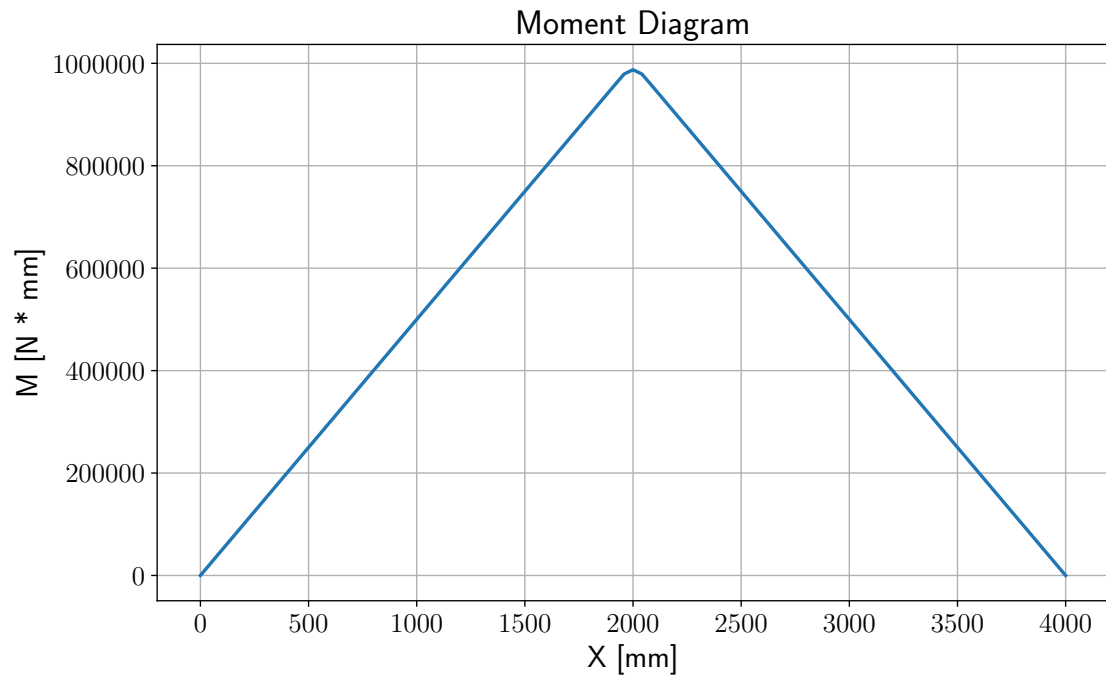
$c = 1950 \text{ mm}$

Sample Size was: 99

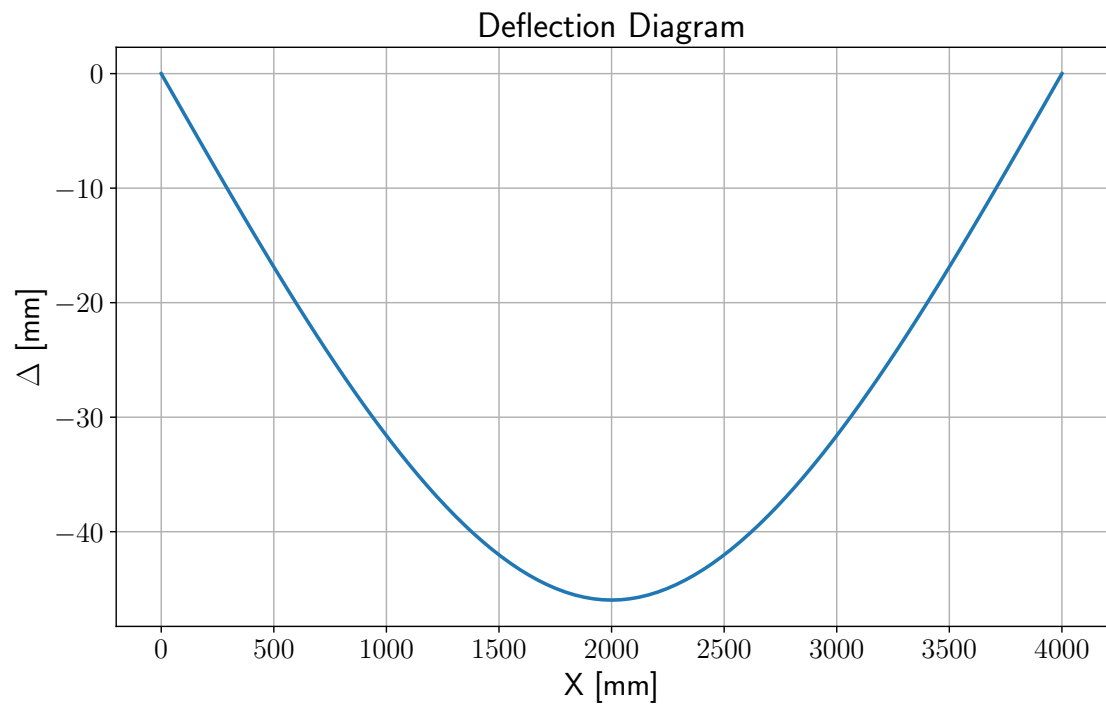


Left Reaction = $V_1 = 500.0 \text{ N}$

Right Reaction = $-V_2 = 500.0 \text{ N}$



Maximum moment at 2000.0 mm is 987500.0 N * mm



Location of maximum deflection: 2000.0 mm

Value of maximum deflection: -45.97 mm

Agreement_Index: 1.0

(1.0 is ideal, < 0.95 means sample size is too small and deflection values are spurious!)