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Mechanics of Materials

Project 2 - 2

by

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Mechanics of Materials: N. Fatchurrohman

1. 3D IN CATIA

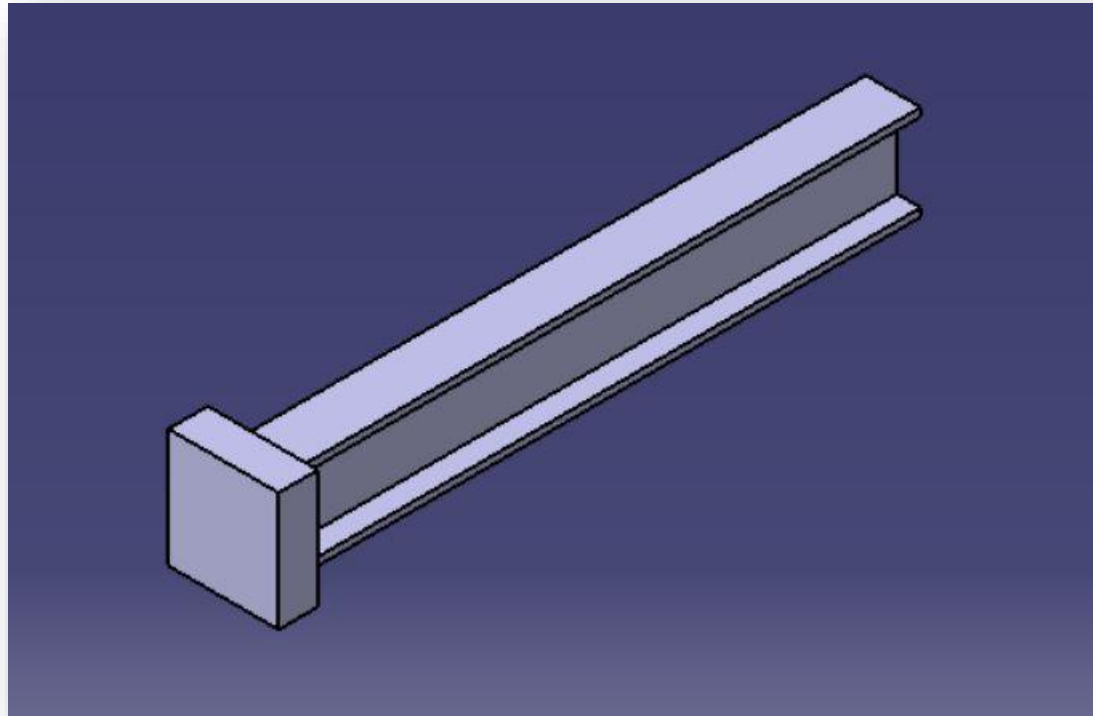


Figure 2. Isometric view of the I-beam





Figure 3 Front view of the I-beam

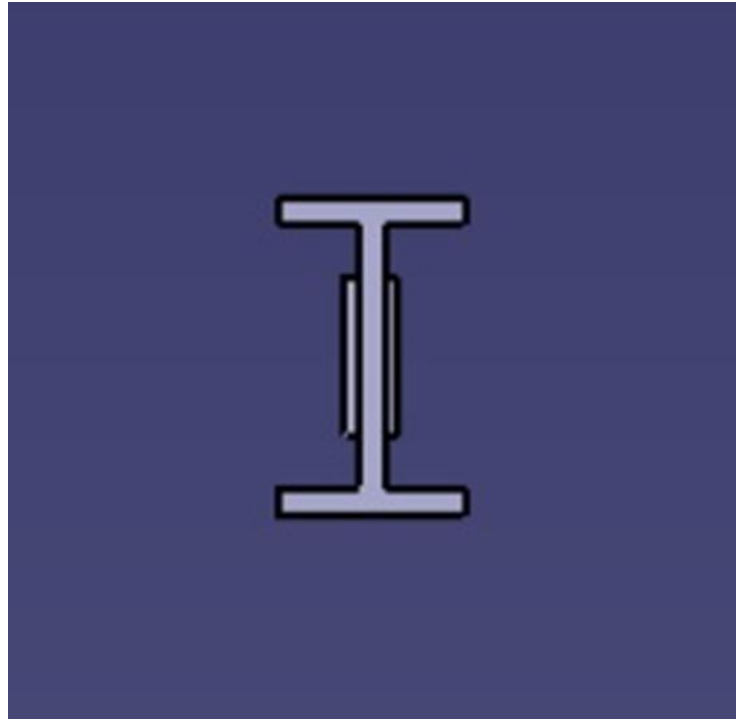


Figure 4 Side view of I-beam

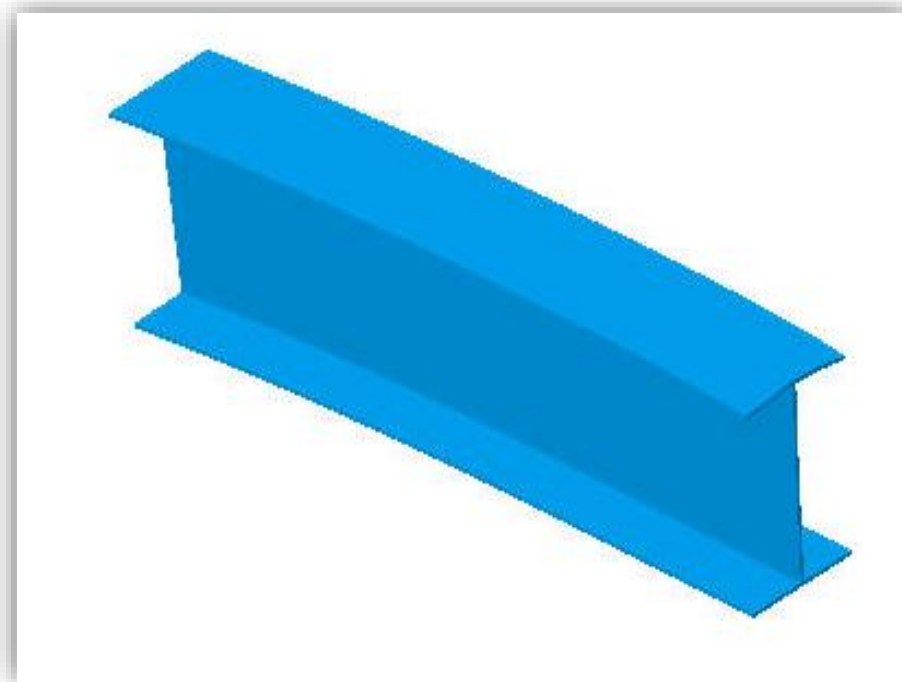


Figure 5. Bending Test

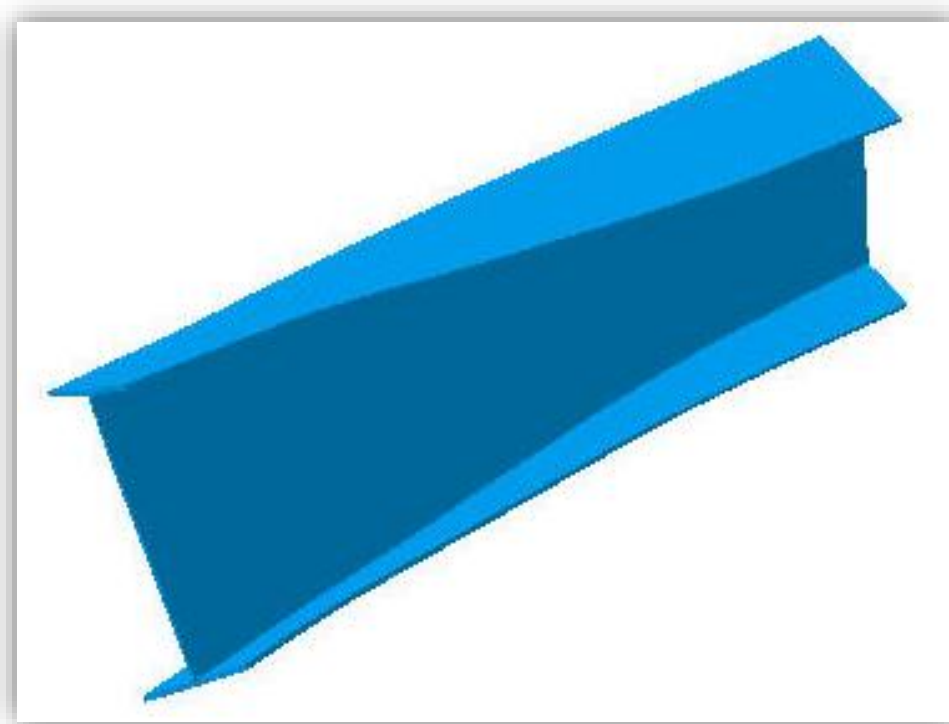


Figure 6. Torsion test

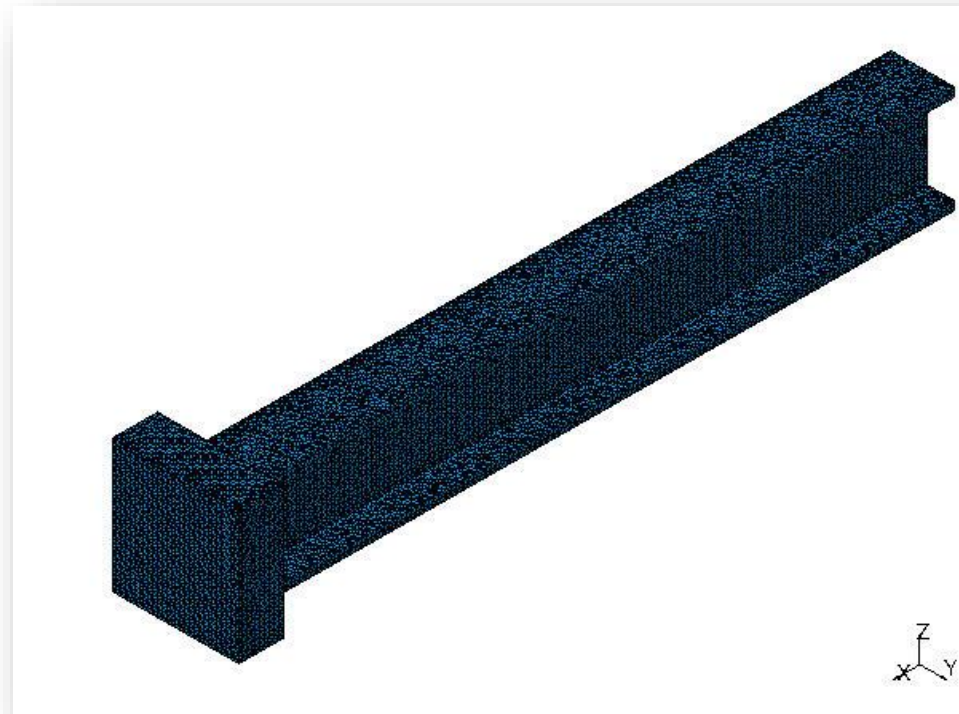


Figure 7 Tension test

II. Main Free Body Diagram

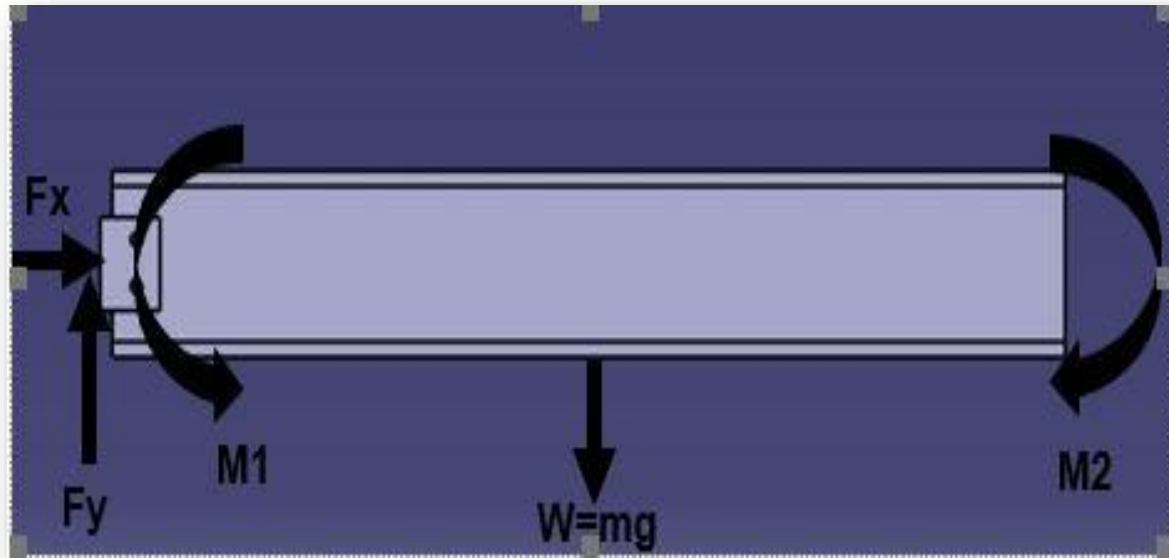


Figure 8 FBD

II. Bending

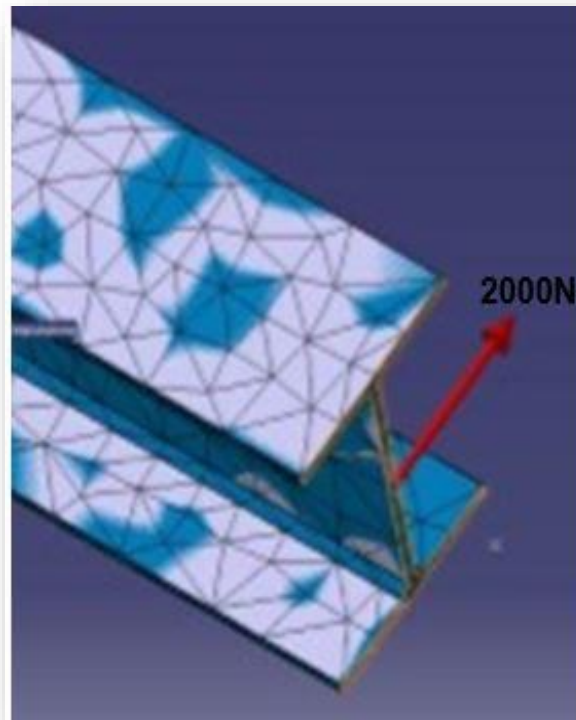


Figure 9 Bending's Force

III. Torsion

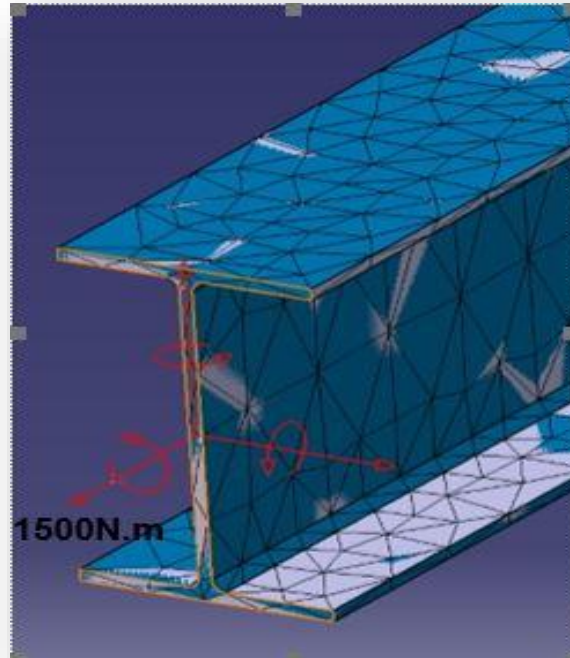


Figure 10 Torsional Force