ANSYS - Thermal Stresses in a Bar

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Thermal Stresses in a Bar

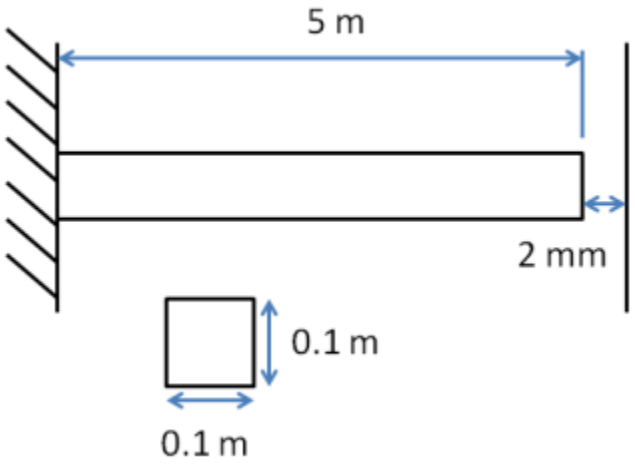
Created using ANSYS 13.0

Problem Specification

A steel bar (E = 2.0E10 Pa, = 0.3, = 1.2E-5) with the dimensions shown below is placed between two walls. On one side, the bar is rigidly fixed to the wall and on the other, there is a 2 mm gap between the wall and the bar. What is the stress in the bar after the temperature increases

[illegible]

?



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