

Thermal Stresses in a Bar - Numerical Results

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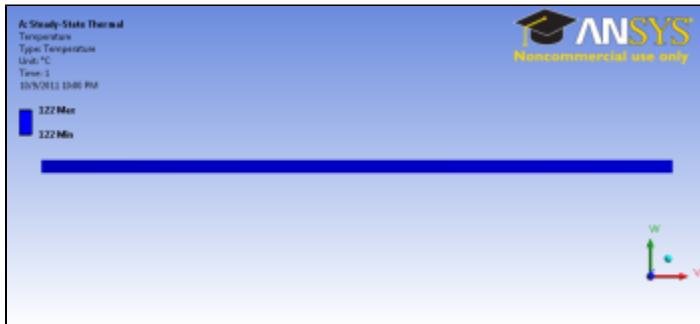
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Numerical Results

Now, we will look at the results of the simulation.

Temperature

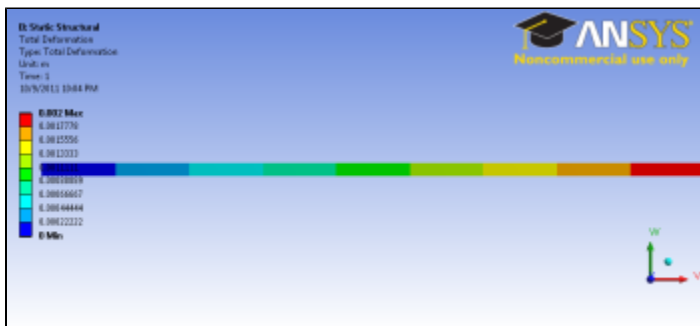
In the *Outline* window, click the temperature solution we created  **Temperature** . you should see the following



The temperature is 122 degrees Celsius throughout, which is to be expected.

Total Deformation

In the *Outline* window, click the deformation solution we created  **Total Deformation** . you should see the following



The maximum deformation is .002 m, which matches our boundary condition.

Normal Stress

In the *Outline* window, expand the beam tool folder, and click on **Direct Stress**. You should see the following



The stress is constant throughout.

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