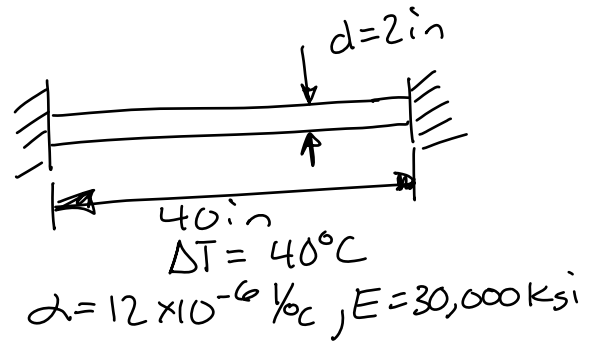


Thermal Stresses

Problem Statement: Determine the axial stress due to the temperature change.



1.) Determine the thermal strain and thermal elongation/contraction if the object was free to expand or contract.

2.) Determine the mechanical elongation required to resist the thermal expansion.

3.) Determine the force and thermal stress.