

# ANSYS - Bone Compression

Author: Keith Works, Cornell University

[Problem Specification](#)

[1. Pre-Analysis & Start-Up](#)

[2. Geometry](#)

[3. Mesh](#)

[4. Model Setup](#)

[5. Numerical Solution](#)

[6. Numerical Results](#)

[7. Verification & Validation](#)

## Rat Femur

Created using ANSYS 2019 R2



Under Construction

### Problem Specification

Consider the bone model shown in the figure below. The geometry was obtained using a CT scan. The model is in compression. Additionally, assume the femur has a Young's Modulus of ?? GPa and a Poisson Ratio of ?. Using ANSYS, calculate the following:

??

Summary of steps used in this tutorial can be downloaded [here](#).

[Go to Step 1: Pre-Analysis & Start-Up](#)

[Go to all ANSYS Learning Modules](#)