

ANSYS - High Resolution FE Model of Bone

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Problem Specification

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High Resolution FE Model of Bone

Created using ANSYS 14.0

Problem Specification

Micro-CT scans can be stacked in layers and converted into a 3 dimensional model for analysis. Previous work done at Cornell has successfully reconstructed the CT images into an Abaqus model. This tutorial will demonstrate how to import the Abaqus model to ANSYS Workbench. The equivalent stiffness will be calculated to validate the model. The CT is provided by Professor Hernandez from Cornell University.



Acknowledgement

Special Thanks to Sean Harvey from ANSYS Inc. for his assistance in creating this 3D model.

Due to the heavy computation involved with this simulation, be sure to switch to a [research license](#) and a computer capable of solving with 4 cores to expedite the solver.

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