

CAD Tutorial - 3

Purpose: Introduce you to the methodology and means needed to build robust 3D Solid Model files. You will learn best practices for solid modeling. After a short talk, you will practice on a gear pump assembly.

Importance: This will save you time in your solid modeling projects as well as make you a skilled solid modeler. This is a valuable skill to have in your "career toolbox".

Required reading:



Handout

(Link provided on the section page)

What to hand in: Copies of all files you create during the tutorial.

Software: Though you do not need to do this for lab, you may load SolidWorks[®] or Pro/ENGINEER[®] on your home/dorm computer. This might save trips to campus late at night.

SECTION 1: DOWNLOADING TUTORIAL PART FILES

At the beginning of the lab, download the following to a folder on your desktop. You should also have the handout downloaded or printed out. You will be required to complete the tasks within the hand out. We will walk through part of them as a class.



A-B_Assembly



Part-A



Part-B



parent-child



shaft



sample_gear

(Links provided on the section page)

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