

No homework assigned for this class due to midterm exam. You do not need to turn anything in for this homework assignment.

REMINDER DUE BY CLASS 12: Please be aware that you will need to design and draw a centrifugal impeller using SolidWorks for the pump project. Although, this assignment is not due until Class 12, you should consider starting on this soon. You can find a tutorial on drawing impellers on your downloads page under Class 9. The assignment is as follows:

- **Individual:** Design and draw your own centrifugal pump impeller using SolidWorks.
- **Individual:** Save the file as a part file (SLDPRT) and as a STL file (.stl) using the following naming convention:
 - a. first initial, underscore, last name .SLDPRT example: **j_doe.SLDPRT**
 - b. first initial, underscore, last name .STL example: **j_doe.STL**

*To save the .STL file, you will need to go to **File > Save As > Save as type:** and choose "**STL (*.stl)**". Then click on **Options**, and enter **0.001 in** for the "Deviation" tolerance and **2.000deg** for the "Angle" tolerance. This will ensure that your STL file produces a "smooth" part when it prints. Print out a picture of your impeller and turn it in with your homework.*

- **Groups of Two:** Choose one impeller (only one impeller can be submitted per group of two) to submit for printing.
- **Groups of Two:** Email your instructor the SLDPRT and STL files for printing.
- **NOTE:** Be sure to exit SolidWorks before sending your file. The instructors have had trouble in the past reading SolidWorks files; we believe that sending a file that has not been properly closed may render it unreadable.