CAD/CAM Homework 3
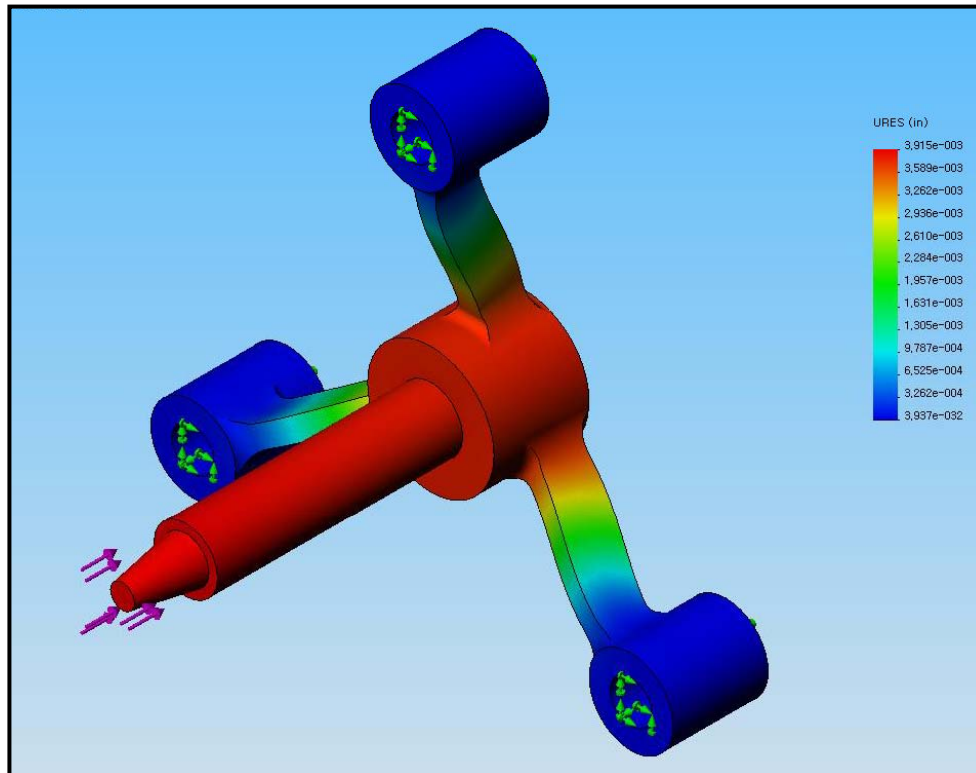
COSMOSWorks

Due Date : 2009.10.14. 23:59:59
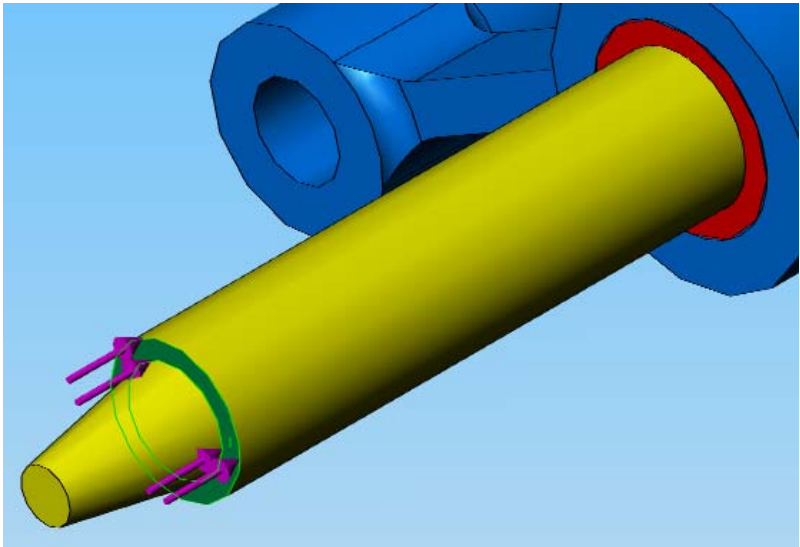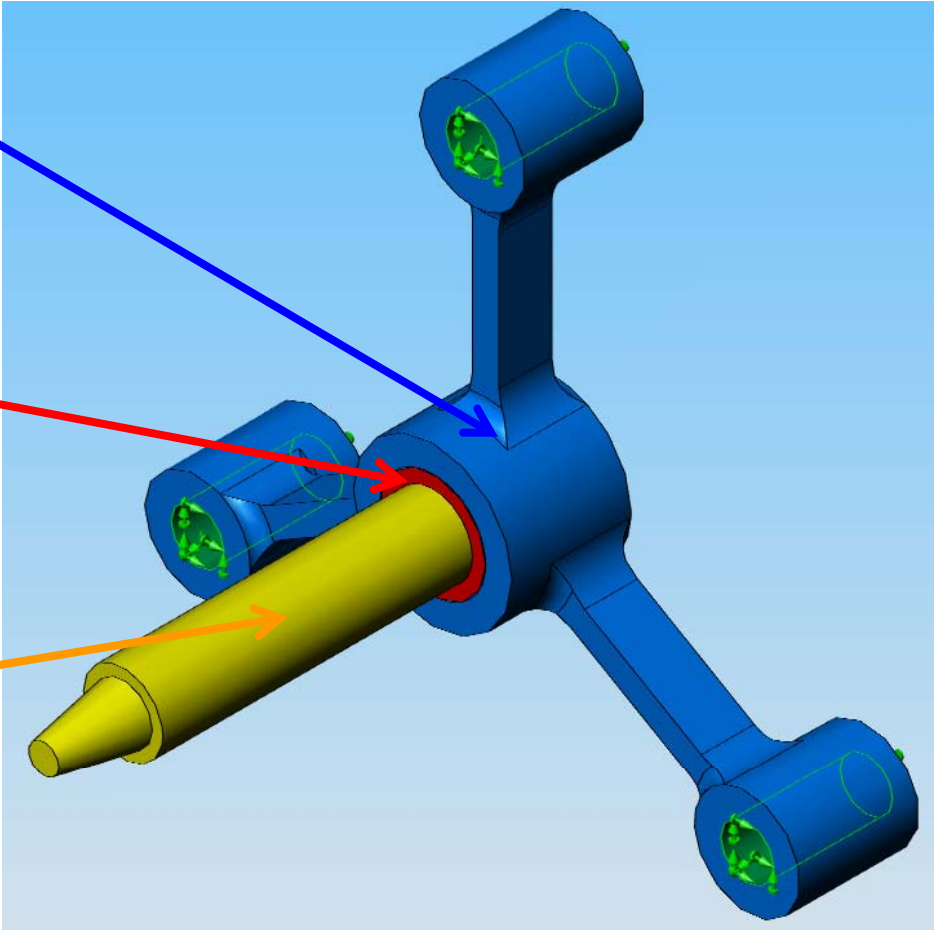
Static Analysis

□ REQUIREMENT:

- Open FEM.SLDASM file

- Make a Study [Static, Solid mesh]

- Apply Material / Load / Restraint
  - □ Refer to NEXT Page
  - □ Use English(IPS) unit

- Create Mesh [Global size : 0.2 in, Automatic transition]

- Run the static analysis [FFEPlus]

- Plot the stress [von Mises (psi)]

- Generate a study report
  - □ Type your name in AUTHOR
  - □ Check Automatically update all plots in JPEG files

Material / Load / Restraint

Spider :
Aluminum 6061 Alloy

Hub :
Gray Cast Iron

Shaft :
Alloy Steel

Restraints :
Fixed (3 faces)

Forces :
300 lb (care for direction)

Submission Details

- Due : Oct 14, 2009 23:59:59
    - Credit : 10 points
    - Delay penalty : 2 point per 24 hours.

- Objects on demand :
    - SolidWorks Assembly / Part files
    - Report file (save as xxx.mht)
    - Write a short REPORT.TXT file which describes your implementation.

- Submit : http://etl.snu.ac.kr/
    - You must compress above all files as a Zip file named "HW3_student ID.zip"
    - Upload to Assignment Board (과제)
    - Ex) HW3_200012345.zip
    - Penalty for other formats!!!

- Question :
    - E-mail : kronic28@snu.ac.kr
    - Tel : 02 - 880 - 7447