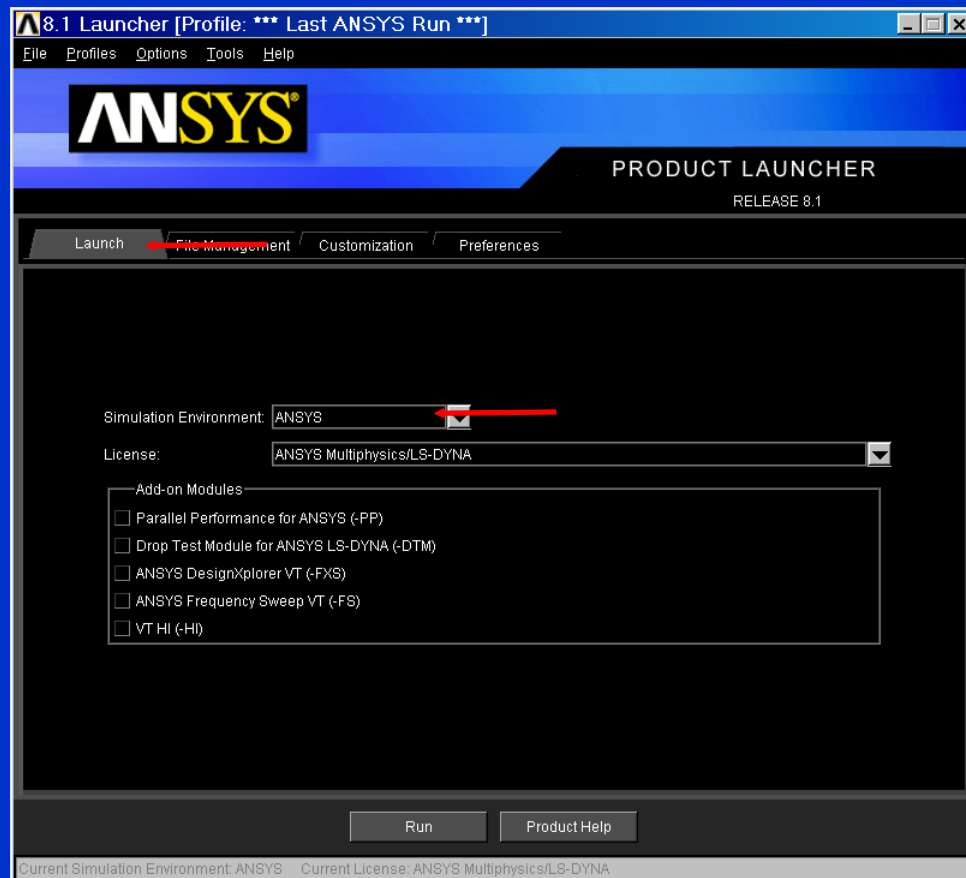**Workshop 2**

Introductory Workshop

Open ANSYS with the Launcher

All of the features shown in this workshop will be explained in detail in later chapters. The purpose of this short workshop is to introduce the student to the interface by plotting some results of the model solved by the Instructor at the end of Chapter 2.
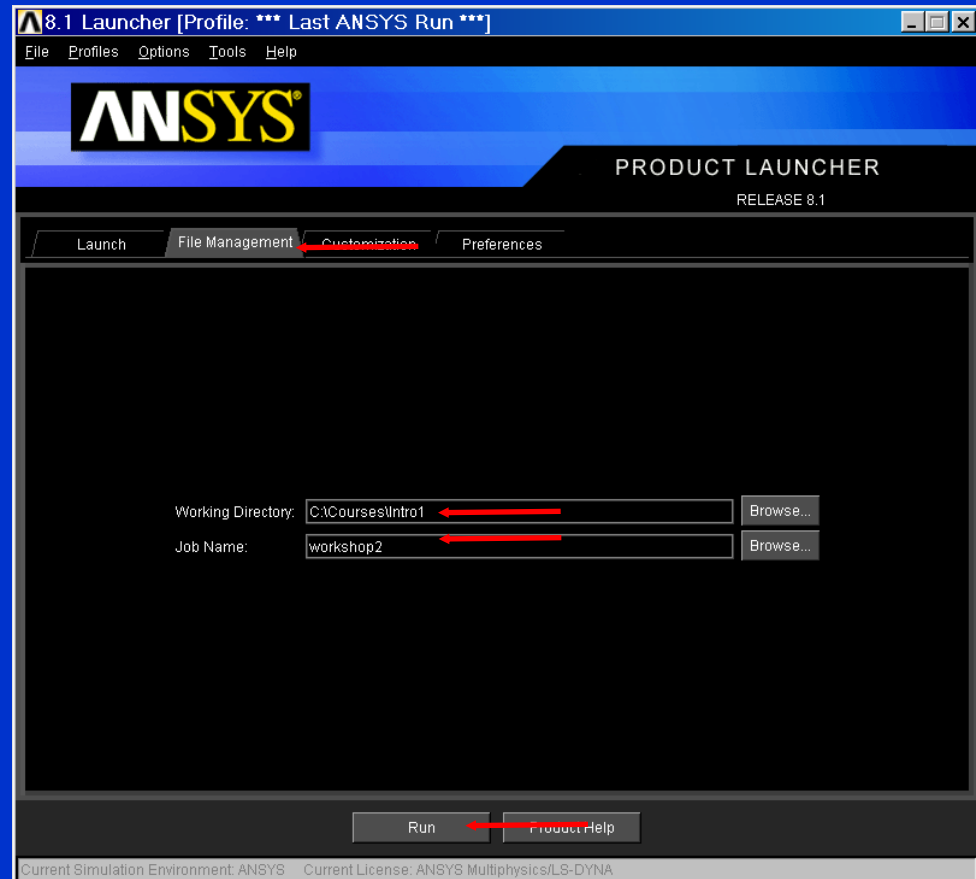
1. **Go to START > Programs > ANSYS 8.1 > Configure ANSYS Products**

   1. This will bring up the 8.1 ANSYS Launcher.

2. **Click on the Launch Tab and select the ANSYS Simulation Environment and an available license**
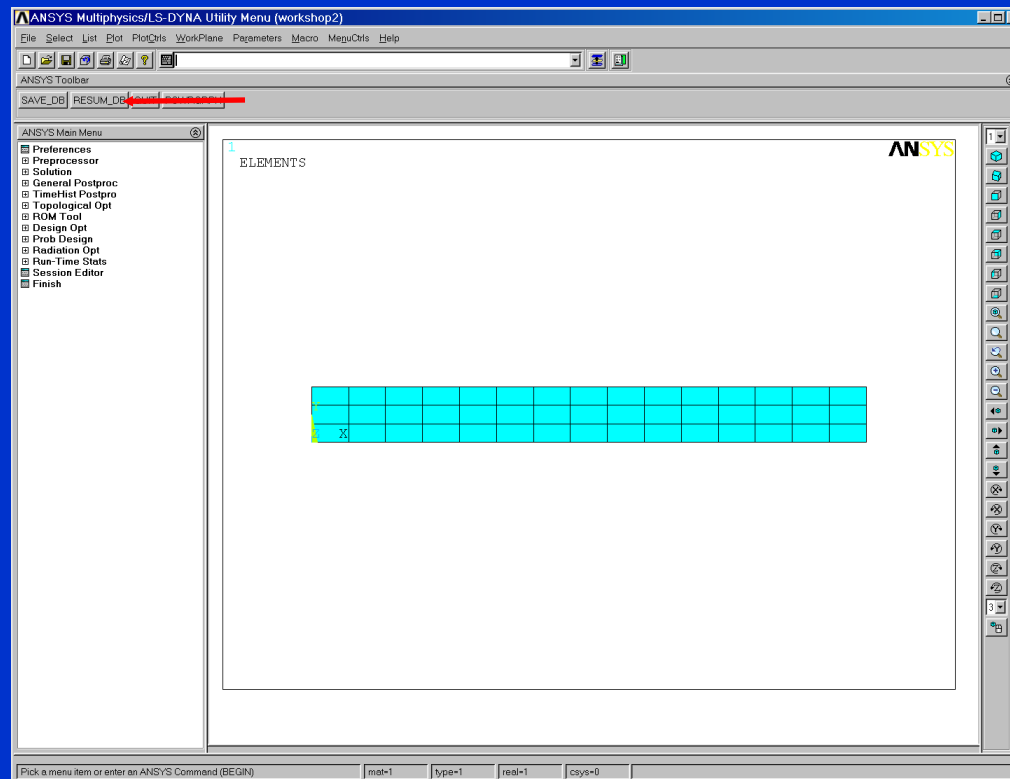
… Open ANSYS with the Launcher

- **Click on the File Management Tab and fill in Working Directory specified by the instructor and the Job Name "workshop2"**
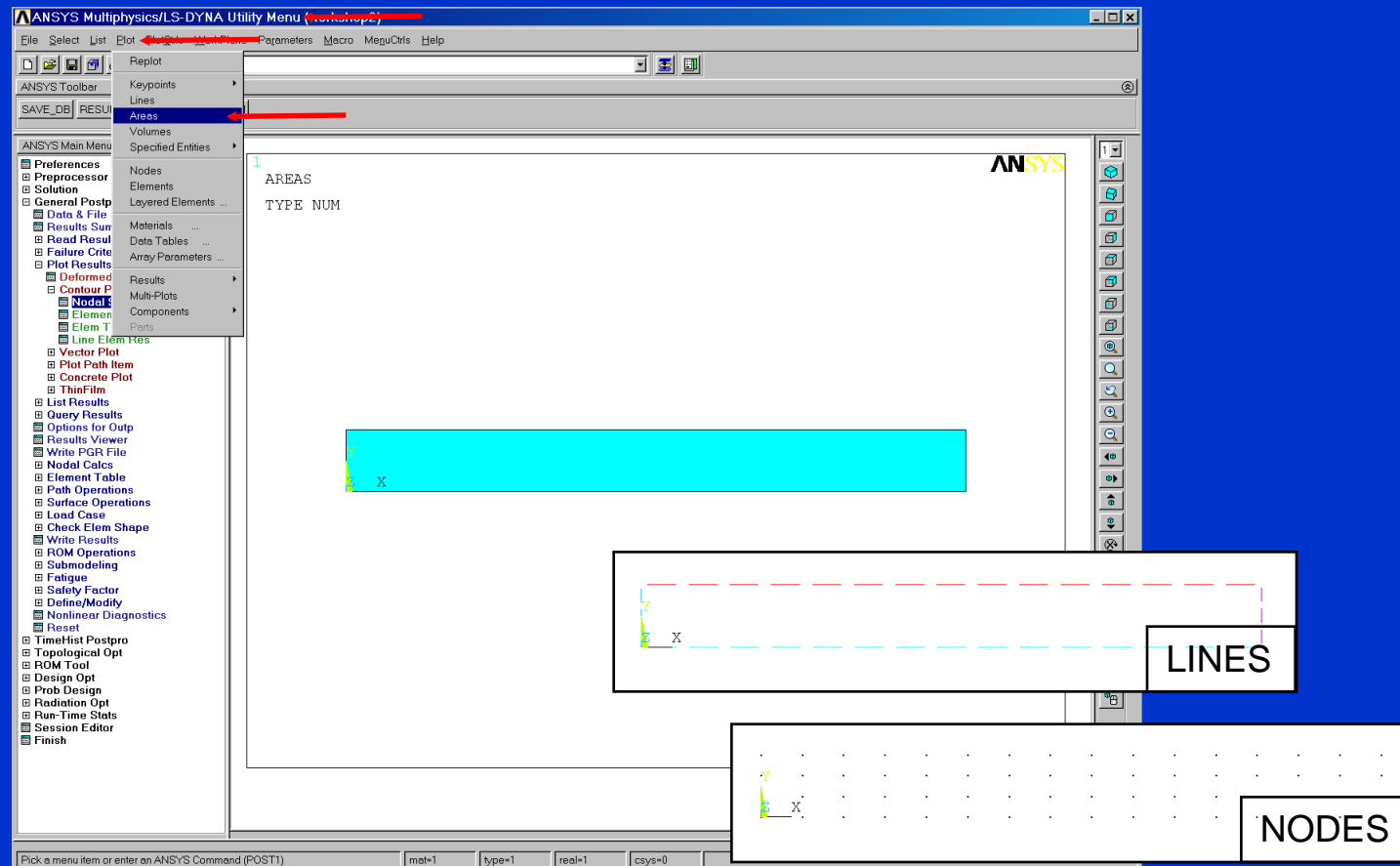
- **Click "Run" at the bottom of the Launcher**

- **Click the RESUM_DB Icon**
  - This will resume the database in the working directory with the current filename, "workshop2.db"
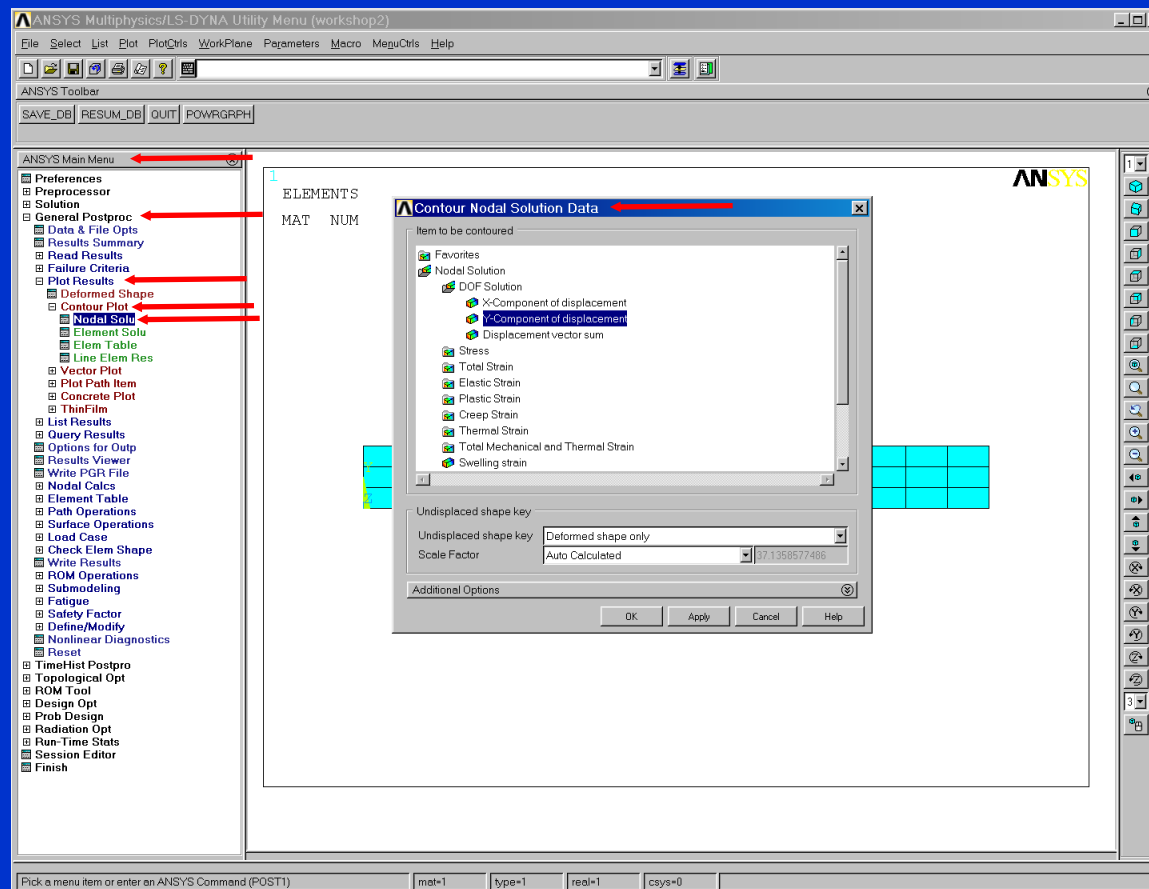
Plot the area, lines and nodes

- In the Utility Menu, click on "Plot", then "Areas"
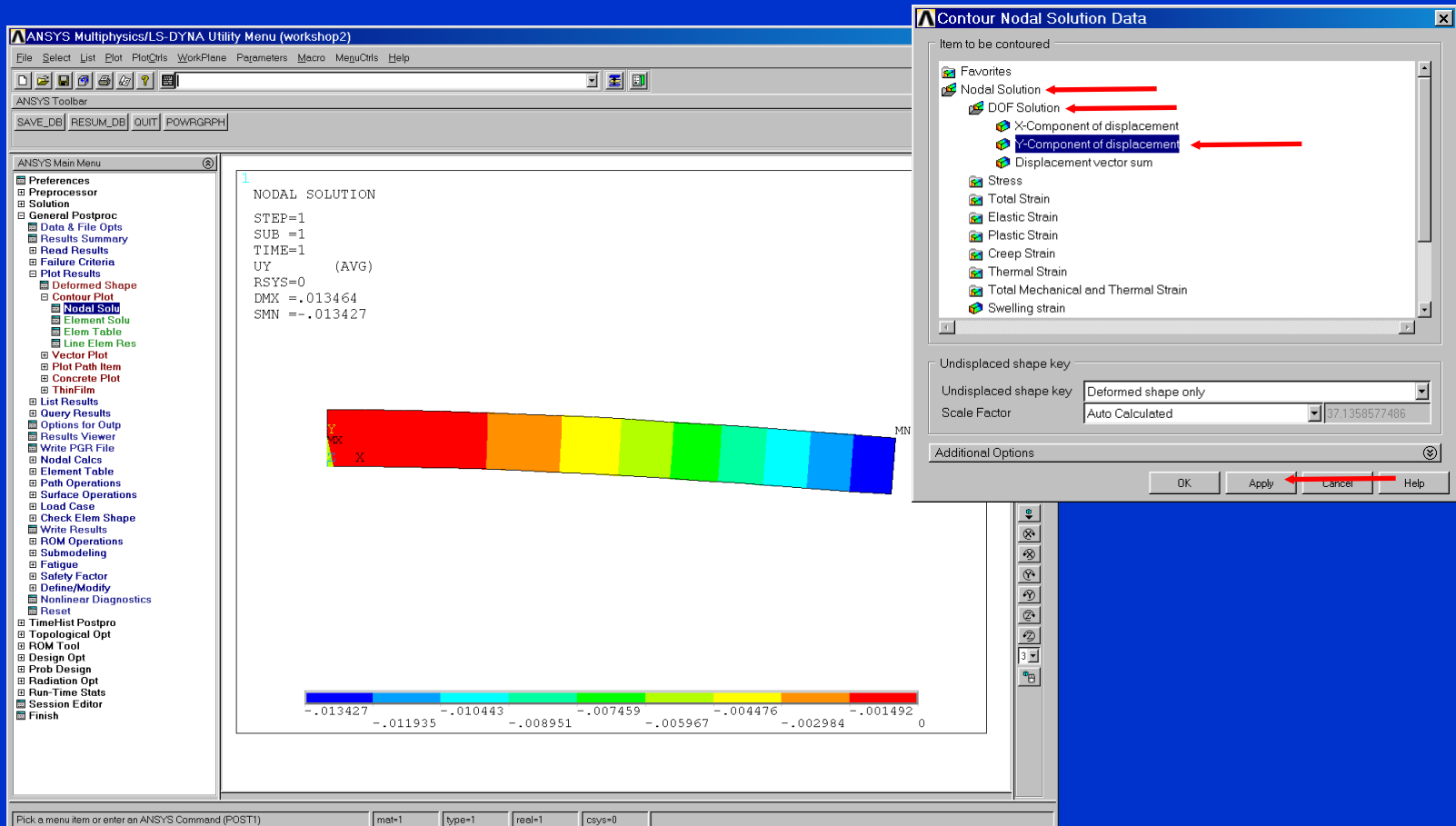
- Also, plot "Lines" and "Nodes"

Plot Results

- **In the ANSYS Main Menu, click on the General Postproc**

- **Then click on Plot Results > Contour Plot > Nodal Solu**
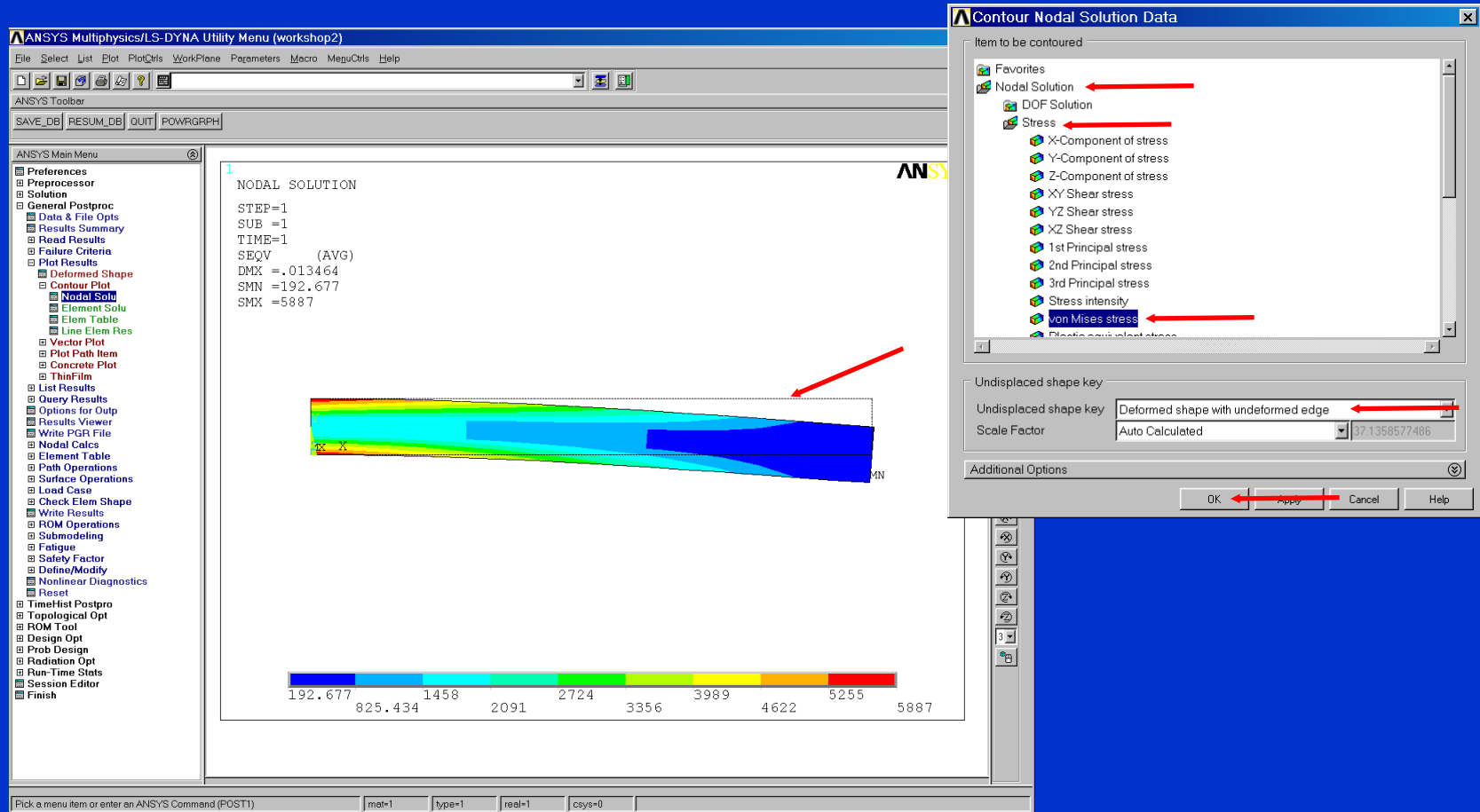   - *This will bring up a window where you can select postprocessing (see the next slide)*

… Plot Results

- **Select Nodal Solution > DOF Solution > Y-Component of Displacement, and click [Apply]**
  - Note, this was the plot that the Instructor showed you demonstrating the match with theory.

- **Select Nodal Solution > Stress > von Mises Stress**

- **Also, select to plot with "Deformed shape with undeformed edge", click [OK]**

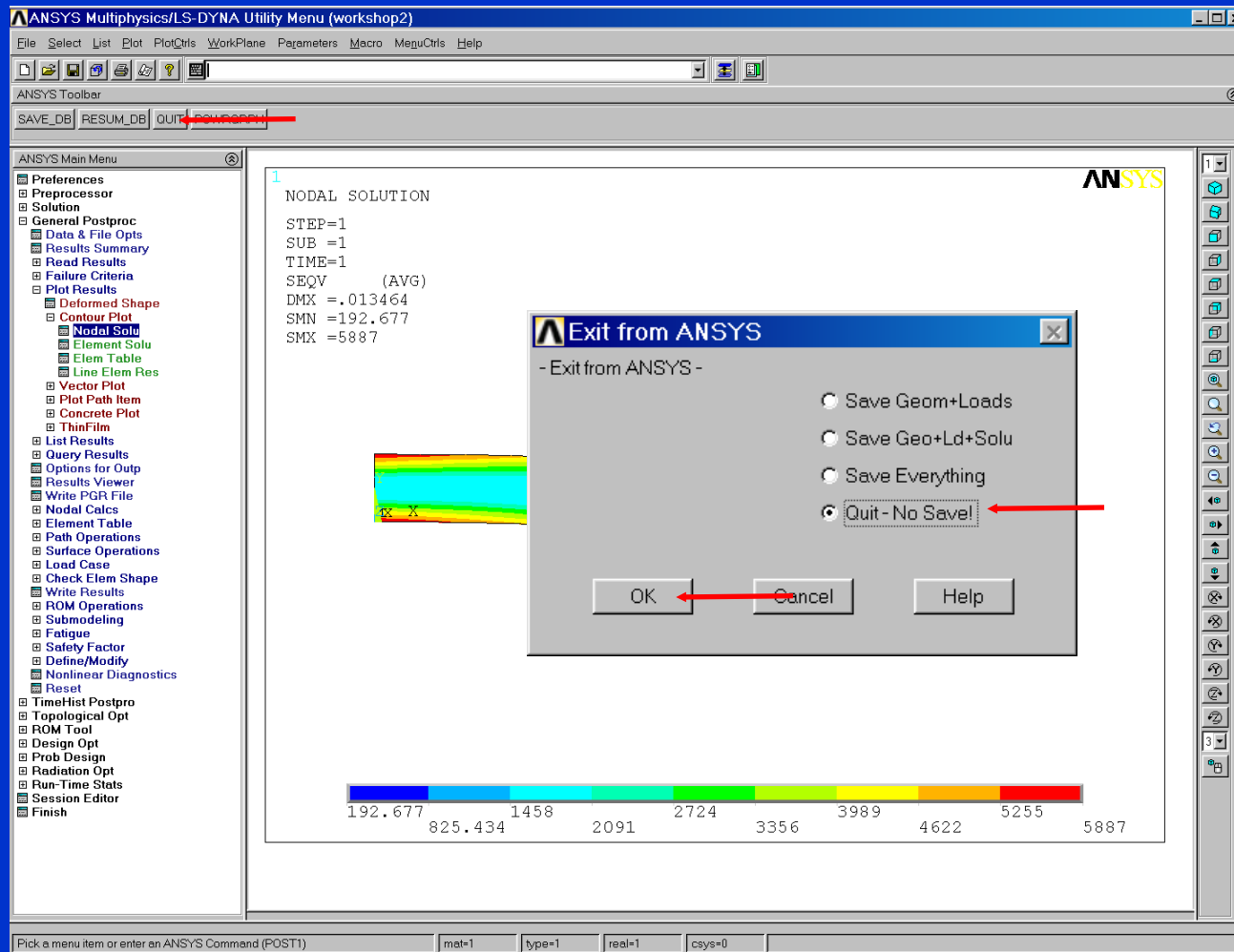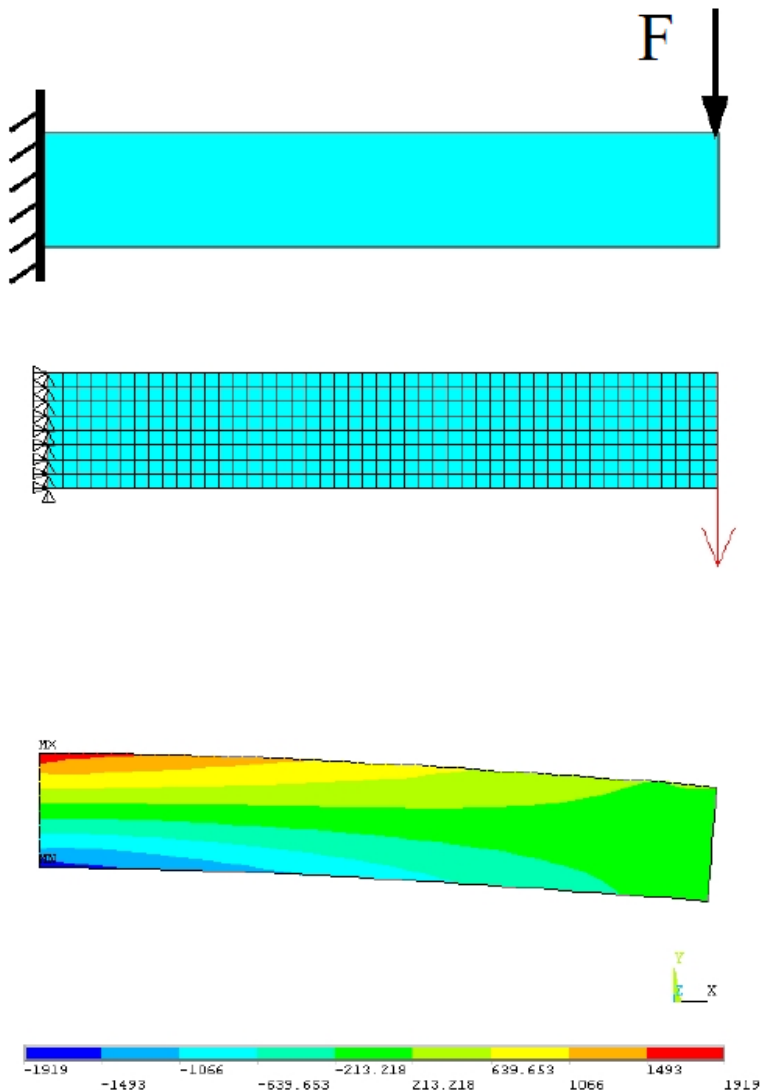- **Click on the QUIT Icon**

- **Select "Quit - No Save!", Click [OK]**

Procedures of FEM

Pre-processor

Problem
Geometry
Material properties
FEM mesh
Boundary conditions
…

Solver

Post-processor

Results
Data
Figures
Animation