ME 322 – Mechanical Engineering Thermodynamics

EES Orientation Session

EES RESOURCES on MINDWORKS SITE

REMOTE LAB ACCESS and GJ114

- File Location
- Printing a PDF

SYNTAX

- Making comments in your code
- Typing in and solving system of equations
- Solution Window and Key Variables

UNITS & EQUATIONS

- Selecting the unit system
- Assigning units to input variables
- Assigning units to output variables
- Assigning secondary units to display
- Converting units in EES

CALCULATING PROPERTIES (see accessing properties)

- Access the property calculations functions (under the options menu).
- Solve for different properties with different inputs.

PARAMETRIC TABLES

- Solve system of equations first
- Comment out the variable(s) you are going to explore in your parametric study
- Create parametric table with all the variables you want to track (inputs and outputs)
- Assign values to the inputs
- Run the parametric study

ARRAY TABLES

- Store variables in an array table
- Units for an array table

GRAPHING

- Make a XY plot using data from your parametric table
- Create a property plot
- Create an overlay plot
- Plot using data from your array table

EES HOMEWORK EXAMPLE (see examples)

- Adding figures in the Diagram Window
- $ShowWindow Report (If you want a separate window for typing notes)
- Printing your file