# CHEN3600 – Computer-Aided Chemical Engineering Spring 2012

# Chemical Engineering Department Lab5

**T.D. Placek Auburn University**

**Lab 2 – Use of MATLAB quad and trap Functions**

# Resource: Heat Capacity of Water (Table 4)

Find: Select a pressure and determine the specific enthalpy at 5 bar and T = 200, 300, 400, 500 oC. Verify.

Ref: <http://www.thermopedia.com/content/1150/>

# Resource: Heat Capacity of Air (functional form)

Find: Determine ΔH (25 oC to 500 oC). Verify.

Ref: <http://www.learnthermo.com/T1-tutorial/ch03/lesson-D/pg11.php>