

**Numerical Determination of Steady-State and Transient Behavior  
of Non-Isothermal, Non-Adiabatic Continuous-Stirred-Tank Reactors (CSTRs)**

The description of this project is located on the web at:

<http://clausius.engr.utk.edu/che301/text/cp.html>

where it is designated as Project 02.

Notes:

1. ChE 505 students who have already taken ChE 301 cannot do this project.
2. Both portions of the project labeled extra-credit on the website (Modeling CSTRs with Multiple Steady States and Modeling CSTRs with Chaotic Steady States) are not extra credit for ChE 505. They are both mandatory.
3. See the professor to obtain values of  $k_o$ ,  $E_a$ , and  $\Delta H_r$  for this project. All other information is given in the project description.