

10.34. Numerical Methods Applied to Chemical Engineering
Fall 2005. HW # 5. ODE initial value problems
Due Friday 10/21/2005. 9 am

Again, you are to submit your work electronically to the MIT server. Submit a MS-Word document *username_HW5.doc* with a description of your work. The names to use individual programs are found in the problem statements below. All problems are from chapter 4 of the text.

1. Solve 4.A.1, storing your program as *username_P4A1.m*.

2. Solve 4.A.2, using only **dblquad** to compute the integral and not Monte Carlo. Store your program as *username_P4A2.m*.

3. Solve 4.A.3, storing your program as *username_P4A3.m*.

4. Solve 4.B.1, storing your program as *username_P4B1.m*.