

Forrester System Dynamics assignment

Fall Term 2003

General Information

- The official due date is **Wednesday 3rd December 2003**, before 23:55. Late submissions (before 8 December 23:55) will be accepted without penalty.
- You will have the opportunity to finish the assignment “in class” on Wednesday December 3rd 18:00 – 20:00 in the Windows lab of the Trottier building.
- Submissions must be done via WebCT. Beware that WebCT’s clock may differ slightly from yours. As described on the Assignments page, *all* results must be uploaded to WebCT and accessible from links in the index.html file. There is no need to upload AToM³.
- The assignment can be made in groups of upto 2 people. It is understood that all partners will understand the complete assignment (and will be able to answer questions about it).
- Grading will be done based on correctness and completeness of the solution. Do not forget to document your assumptions, model, simulation results, conclusions in detail !
- Extensions, if given, will involve extending not only the allotted time, but also the assignment !

The problem statement

Model the “miniworld” problem (due to Hartmut Bossel in his book Modeling and Simulation”) given in the handout using Forrester System Dynamics. Simulate and try to reproduce the results of the handout. discuss the results.

Practical information

- You should use the Vensim Personal Learning Edition (PLE) software. This is Windows software and is installed in the SOCS Windows Lab.