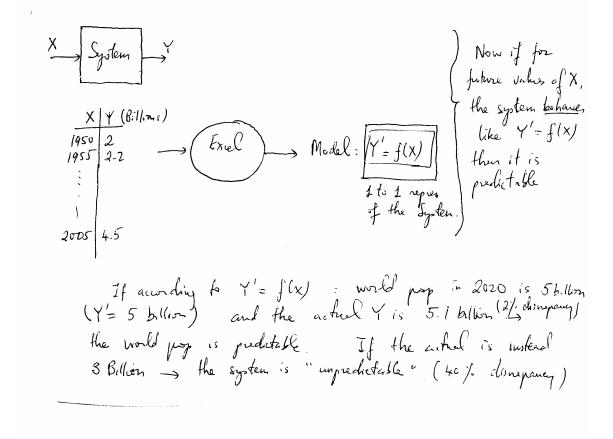
Engin 103 Fall '06 Meeting #15: October 19, 2006

Today we introduced project 2: Data Modeling and Predictability of a System. Check the link to the project in e-syllabus for specifications.

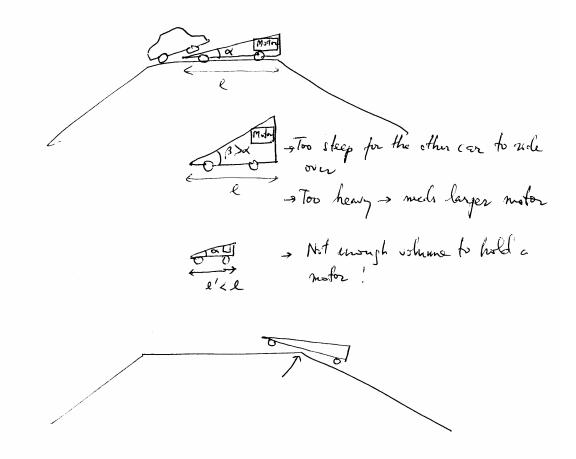
An explanation for predictability as applied to the world population is here:



This project requires the use of engineering design to achieve predictability. Other example of engineering design was introduced in CW#2 whose solution is here:

CW2 sol.

the wedge shape defense strategy for the car, as discussed in section 2.5 of the Design Concepts for Engineers Book, requires a minimum length so the car can accomodate a sufficiently large engine, a shorter length would required steeper angle for the wedge shape that makes it become ineffective as a defense strategy (having the opponent car ride over and flights off the top flat portion of the ramp).



We also did Circuit Analysis with LabVIEW I

Suggested items to write in the Engin 103 logbook:

- 1) How will I prove the predictability for a device? Explain in your own words
- 2) How do I copy a drawing in Paint onto the Front Panel? What is the purpose of inserting a circuit into the Front Panel in Circuit Analysis with LabVIEW I? How do you bring a control or indicator to the front if they are hidden by the drawing?