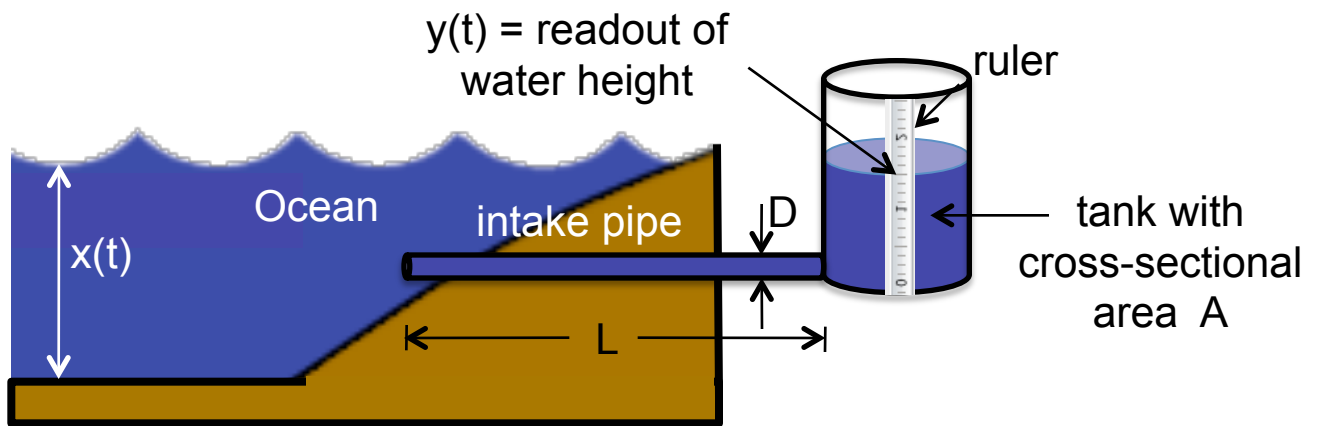


2010 EE PhD Quals

Prof. Daniel Spielman



Consider the following alternative system:



4. Is this device linear and time-invariant? If so, sketch the frequency response.

5. Qualitatively describe the effects of:

- a) increasing A (cross-sectional area of the tank).
- b) increasing L (length of the intake pipe).
- c) increasing D (diameter of the intake pipe).