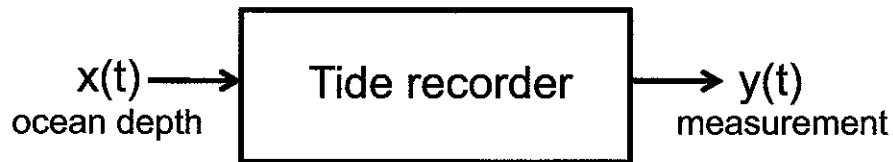


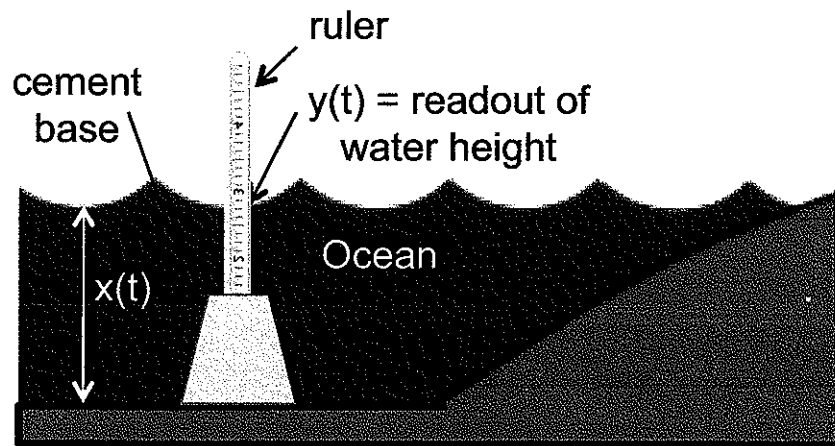
2010 EE PhD Quals

Prof. Daniel Spielman

Your goal is to build a system to measure the tidal fluctuations of the ocean.



Consider the following device:



1. Is this device linear and time-invariant? If so, sketch the frequency response.
2. What are the advantages and disadvantages of the design?
3. Can you design a better device?