

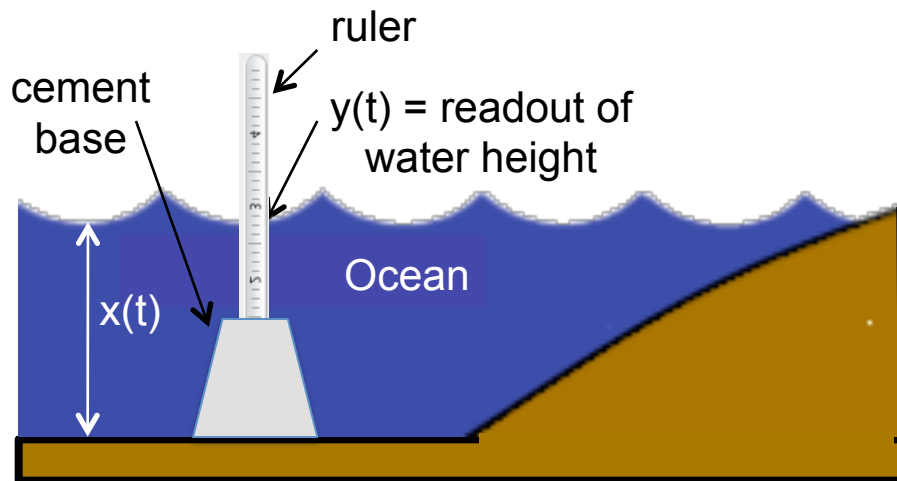
2010 EE PhD Quals

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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?