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12.S56 GPS: Where Are You?
Fall 2008

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Topic:

Analysis of EDM results collected in the previous week

Aim:

Discuss the results of the measurements and a little more on how EDM works and how it differs from GPS distance measurements

Discussion

The project solution is on the web page as [HTML](#) and in [PDF](#) format. (In some browsers the symbols do not show up correctly)

The solution to the project was done in Matlab using [Proj_3_08.m](#) and we will run through this code.

The basic aim of this class to cover the use of propagating EM waves to make distance measurements with:

- (a) Pulses (simplest concept) of timing the length of time a pulse takes to go to and return from a target
- (b) Use of phase measurements by changing modulation frequency. More detail can be found on the 12.215 course notes for Lecture 15.