

EE322 Fall 2008 Problem Set 02 (PS02)

1. Tell whether each of the following is discrete or continuous in time, and whether it is discrete or continuous in value.
 - a. Measuring your temperature with a mercury thermometer once each day for 7 days, at 0800.
 - b. Keeping track of the number of midshipmen in your class (2010) over the course of a year.
 - c. Continuously recording the speed (to the nearest mph) of a car as you drive from Annapolis to Baltimore.
 - d. Recording the score of the Navy-Notre Dame football game every minute of play.

2. Is the spoken word (as you hear it) analog or digital? Why?