CS 152, 2012
Assignment 1
Reading & Code Assignment
Research Assignment

Due Wednesday, 12 September 2012
start of class

Reading & Code Assignment

Read chapter 1 of “Tutorial on Neural Systems Modeling”.

Work problem 1.2, which involves using Matlab for simulation. Note that most of the code is already provided here:

http://www.sinauer.com/anastasio/student/Ch1mfiles/habituationGWR.m

Change the code so that the new sensitization stimulus is provided after the third of six input pulses.
Research Assignment

• Present in class a news item regarding neural networks or neuroscience that appeared since the year 2000.

• The item should relate to both neural networks and computation or technology.

• You do not have to understand in detail all the terminology in the article, just enough to present a story.

• Using visuals or slides is encouraged.

Research Assignment, continued

• Your presentation should last 2 minutes.

• You may combine with another student, in which case it should last 4 minutes.

• Your choice should not overlap with that of others. This will be coordinated as follows:
  As soon as you have your topic, send the title and/or source to me.
  I will then post it on this web page:
  http://www.cs.hmc.edu/courses/2012/fall/cs152/presentation1articles.html

  Please monitor this web page as you select your topic.