Homework 4

Due Wed June 12.

1. What is OAC, what problem does it solve, and how does it work? How is the other component of motion guided in this theory?
2. a. Describe the size-weight illusion. What does the fact that this is called an illusion imply about the perception?

b. If a set (e.g. 4 or 5) graspable objects that are all of different sizes are to be perceived, when hefted, to be of the same heaviness, what must be true? What does this imply about the perception of the heaviness of graspable objects held in the hand?

1. a. Write the equation for Tau and describe the variables in the equation. What does Tau specify in the world?

b. What is Tau-dot? What are the *constant Tau-dot* strategy and *proportional rate* strategy of the control of approach?