

A2 Control Systems Test

Your Name:

1. What is meant by an open loop control system?
2. Give an example of an open loop control system.
3. What is meant by a closed loop control system?
4. Give an example of a closed loop control system.
5. What is meant by the following terms? A sketch graph might be useful in answering this ...
 1. Critical damping
 2. Over damping
 3. Under damping
 4. Hunting
6. A light sensor is used to dim a computer monitor at night to reduce eye-strain. Is this control system open or closed loop? Explain your reasoning.
7. Sketch a system diagram of for a cruise control used to maintain a constant vehicle velocity. Label all the boxes and signal arrows.