

Quiz #3
ENGR 4220/5220: Control Systems
Professor Hill
University of Detroit Mercy, Summer 2013

Select the best single answer to each of the following multiple choice questions.

1. (2 point) This type of electrical component does not store energy, it dissipates it:
 - (a) resistors
 - (b) capacitors
 - (c) inductors

2. (2 point) Kirchoff's voltage law states that:
 - (a) the sum of current into a node equals zero
 - (b) the sum of voltage into a node equals zero
 - (c) the sum of current around a loop equals zero
 - (d) the sum of voltage around a loop equals zero