Final Projects Ideas and Guidelines

Lecture #2: A Word on Final Projects

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Project Goals

- Apply knowledge from class lectures and discussions
- Developing a significant piece of software
- Begin master's thesis or PhD dissertation research
- Publish papers

Project Guidelines

- 6 weeks to do the project
  - scope should fall within timeframe
  - milestones should sync up with project status report days
- Should have some form of evaluation
- Solid code design for reuse
- Research component

Project Proposal

- Must get proposal approved by professor
- Proposal should include
  - introduction to problem
  - related work
  - what you are going to do
  - what are the novel components
  - how you are going to do it (i.e., strategy)
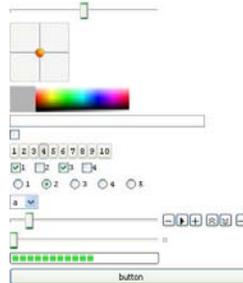 - measure of success

Project Ideas – Pen-based Shader

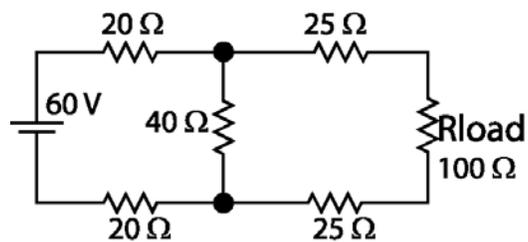# Project Ideas – Mathematica 6

Sketching Interface to Mathematica

Project Ideas – IPhone/IPad

- Create a cool touch-based app for the IPhone or IPad

Project Ideas – Circuit Tool

- Sketch out circuit diagrams

Project Ideas – Paper Projects

- **Implement a paper and make improvements**
    - Sketch
    - Teddy
    - Ladder
    - etc…