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

- 5-6 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)
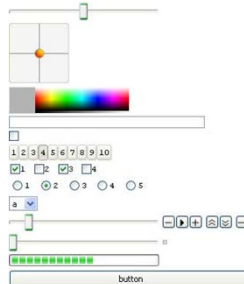   - measure of success

Project Ideas – Pen-based Shader

Project Ideas – Mathematica 6


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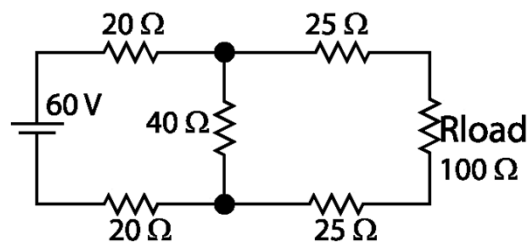
Sketching Interface to Mathematica

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 – Interactive eBooks
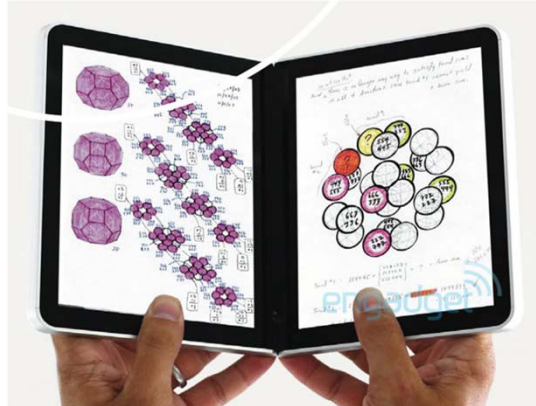
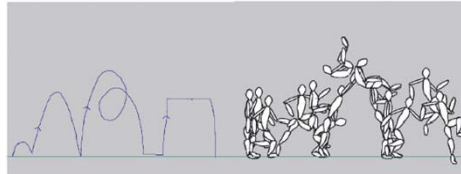# Project Ideas – Paper Projects

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