Fault Tolerant Computing

CS 530

Midterm Review

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Fault Tolerant Computing: Midterm Review

• Midterm Thursday March 8, 2018, 2-2:15 PM
  ▪ Here, Seating as specified
  ▪ Local distance students: take it in the class
  ▪ Non-local distance students: take home available on Canvas

• Scientific calculator permitted
  ▪ without programming or communication capability

• Formula sheet? No.
  ▪ Handout

• Topics Covered: up to Static Software Reliability modeling
How to prepare for the Midterm

• Reflect on class discussions.
• Quizzes. Ask why.
• PSA1: Ask why.
• You should be able
  ▪ Solve similar and related problems.
  ▪ Explain why.
  ▪ Apply principles to solve new problems.
Topics

• Terminology and ideas
• Digital Systems, Fault Modeling
• Combinational & Sequential Circuit Testing
• Probabilistic Methods
• Random Testing
• Reliability: combinatorial and time dependent
• Software Reliability:
  ▪ static considerations
  ▪ SRGM: skip
PSA1 Solutions

- A quick look at the solutions.
- You can view lecture recording again if needed.