Embedded System Design and Synthesis

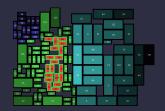
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Single-electron tunneling transistors

Memory expansion for MMU-less embedded systems Power deregulation: eliminating voltage regulators from multicore o Homework

Outline

- 1. Single-electron tunneling transistors
- 2. Memory expansion for MMU-less embedded systems

3. Power deregulation: eliminating voltage regulators from multicore embedded systems

4. Homework

Single-electron tunneling transistors Memory expansion for MMU-less embedded systems

SET talk

Outline

- 1. Single-electron tunneling transistors
- 2. Memory expansion for MMU-less embedded systems
- 3. Power deregulation: eliminating voltage regulators from multicore embedded systems
- 4. Homework

MEMMU talk

Outline

- 1. Single-electron tunneling transistors
- 2. Memory expansion for MMU-less embedded systems
- 3. Power deregulation: eliminating voltage regulators from multicore embedded systems
- 4. Homework

Deregulation talk

Outline

- 1. Single-electron tunneling transistors
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- 3. Power deregulation: eliminating voltage regulators from multicore embedded systems
- 4. Homework

Project presentation

5-10 minutes per person

- Motivation
- Problem definition
- Proposed solution
- 4 Method of evaluating solution

Project report

- Due 6 September by email
- Can give to me in person on 5 September

Motivation

- Problem definition
- Proposed solution
- 4 Method of evaluating solution
- Evaluation results

Review

- Review the lecture notes
- Review your notes taken when I used the whiteboard instead of slides
- Review the research articles you have read