2.111

Quantum Computation

Fall 2001

Lecture Tu-Th 2:30-4, Rm. 3-370

Prerequisites: None (prior knowledge of quantum mechanics helpful).

Instructors:

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Textbooks:

M. Nielsen and I. Chuang, *Quantum Computation and Quantum Information*, Cambridge University Press, Cambridge, 2000.

J. Preskill, notes on quantum computation,
http://www.theory.caltech.edu/people/preskill/ph229.

A. Peres, *Quantum Theory: Concepts and Methods*, Kluwer, Boston, 1995. (On reserve in Science library.)

Grading: 2 Quizzes, 20% each
Homework, 40%
Project + Participation, 20%

Schedule:
Quizzes: Thursday, October 25th; Tuesday, December 4th.
Final Project Due: Tuesday, December 11th