



UNIVERSITY OF ROCHESTER

Department of Mathematics Colloquium Series

ABSTRACT

Quantum computers offer the possibility of some dramatic computational speedups, the most famous being Shor's factoring algorithm. However, quantum states are very delicate, and we won't be able to realize the benefits of quantum computation without a way to correct errors. Professor Gottesman will show how group theory steps in to provide an easy way to understand and create quantum error-correcting codes.

Daniel Gottesman
Perimeter Institute

Surviving As a Quantum Computer in a Classical World

Thursday, November 13, 3:30 p.m.
Hylan Building
Room 201