When confronted with a problem, some people think "I know; I'll just program a computer to do this." Now they have two problems.

The Trivial Notions Seminar
Proudly Announces

What can be computed in mathematics?

A talk by
Anand Deopurkar

Abstract

Can one write a computer program that tells whether two given groups are isomorphic? Or one that tells whether a given manifold is simply connected? What about one that tells whether a given function has an elementary integral?
I will discuss the existence of effective procedures to answer natural questions from several branches of mathematics such as group theory, topology, number theory, algebraic geometry, calculus, logic and computer science.

Thursday March 31$^{\text{st}}$, at 2:00 pm
Science Center 507