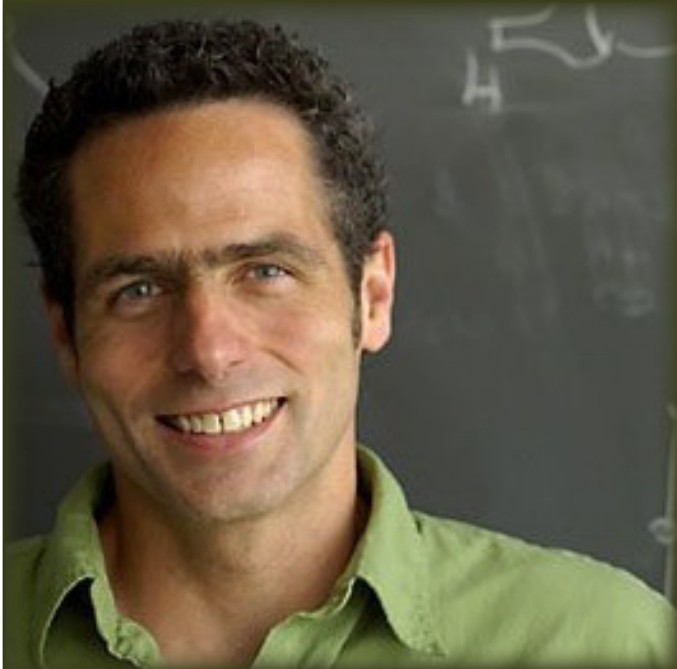




UNIVERSITY OF NEBRASKA - LINCOLN

HOWARD ROWLEE LECTURE  
in Mathematics

# How Topologists Count Things



## Michael Hopkins

Professor of Mathematics, Harvard University

*The mathematical field of “Algebraic Topology” came into being largely in order to come to grips with a single question: how can we count the number of solutions to an equation? This lecture will describe some of the remarkable answers mathematicians have found to this question, and how, in recent years, the fundamentals of algebraic topology have been re-thought in order to come to grips with the demands of modern quantum field theory.*

**Friday, April 3, 2009**

**Reception 3:15 p.m. Lecture 4:00 p.m.**

**115 Avery Hall**

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