

1106-55-1715      **Michael J. Hopkins\*** ([mjh@math.harvard.edu](mailto:mjh@math.harvard.edu)), Department of Mathematics, Harvard University, 1 Oxford St., Cambridge, MA 02138. *The Kervaire invariant problem.*

The first lecture of this series described some of the many roles algebraic topology has played in mathematics. Threaded through much of this history is the "Kervaire invariant" problem. This lecture will be about the different formulations of this problem and its relatively recent solution by Mike Hill, myself, and Doug Ravenel. (Received September 15, 2014)