

Geometry and Topology

On topological invariants for algebraic cobordism

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Calculating the residues for rational integrals in complex variables is a classical problem in mathematics. It is directly related to questions on algebraic cycles, their cohomology classes, and the Abel-Jacobi map. In this talk I will present joint work with Michael Hopkins in which we use topological cohomology theories to define similar invariants for algebraic cobordism cycles.