

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

DIFFERENTIAL BOREL-EQUIVARIANT COHOMOLOGY

Corbett Redden
Long Island

Mar 18, 2015, 4:00 – 5:00pm
Math/Computer Science, Room148
111 Cummington Street, Boston

Tea: 3:45pm in Room MCS 144

Abstract: We define differential equivariant cohomology for manifolds equipped with a G -action, where G is a compact Lie group. These groups map to the integral Borel cohomology and the Cartan/Weil equivariant differential forms. For equivariant bundles with connection, the Chern-Weil homomorphism factors through these groups, allowing one to define secondary invariants for equivariant bundles.

See <http://math.bu.edu/research/geom/seminar.html> or contact Ryan Grady regrady@math.bu.edu for more information.