

Oberseminar Topologie

The topological construction of the Chern classes of complex vector bundles and their properties

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Abstract:

Proving the Leray-Hirsch theorem for cohomology, I will construct the Chern classes of complex vector bundles using their projective bundle.

Furthermore, I will demonstrate the uniqueness and other properties of these characteristic classes with the help of the splitting principle and the classification of vector bundles as pullbacks of universal bundles.

Tuesday, April 4, 2017, 10:00

MathII 0.101 (Lonza)