

Oberseminar Geometrie und Topologie

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The generalized Kummer construction and the cohomology rings of G_2 -mani- folds

30. November 2017 - 16 Uhr

Seminarraum IGT, Raum 7.530, Pfaffenwaldring 57

Abstract:

We demonstrate how intersection theory can be used to calculate the cohomology of G_2 -manifolds obtained by the generalized Kummer construction. For one example we find the generators of the rational cohomology ring and describe the product structure.



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