

Positively curved GKM manifolds

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Abstract:

Let T be a torus of dimension $\geq k$ and M a T -manifold. M is a GKM_ k manifold if the cohomology of M is concentrated in even degrees, the T -action has only isolated fixed points, and any k weights of the isotropy representation in the fixed points are linearly independent. In this talk I will report on joint work with Oliver Goertsches in which we computed the cohomology rings of GKM_3 and GKM_4 manifolds with invariant metrics of positive sectional curvature.

Monday, April 3, 2017, 16:00

MathII 0.101 (Lonza)