Institut für Geometrie und Topologie

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Einstein Metrics on the ten-sphere

30. Januar 2024 – 16:15 Uhr
Raum 7.530

Abstract: In this talk we provide an overview of Einstein metrics on spheres. In particular, we show that the sphere S^{10} admits three non-round Einstein metrics of positive scalar curvature. Previously, the only even-dimensional spheres known to admit non-round Einstein metrics were S^6 and S^8. This talk is based on joint work with Jan Nienhaus.