Institut für Geometrie und Topologie

Prof. Mustafa Kalafat
Rheinische Friedrich-Wilhelms-Universität Bonn

Minimal submanifolds and stability in Einstein manifolds

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Abstract: We compute the index and nullity for minimal submanifolds of some complex Einstein spaces. We investigate the stability of these minimal submanifolds and suggest a criterion for instability for some cases. We also compute some higher eigenvalues for the Laplacian of the Berger spheres and provide with an algorithm. This is a joint work with Kelekçi and Taşdemir.