

Oberseminar Geometrie und Topologie

Wintersemester
2019/2020

Dr. Paul Andi Nagy

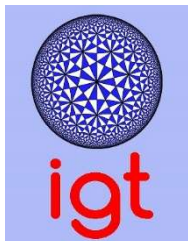
Universität Stuttgart

The Kähler geometry of the Weinstein construction

26. November 2019 – 16.15 Uhr

Seminarraum IGT, Raum 7.530, Pfaffenwaldring 57

Abstract: We classify both local and global Kähler structures admitting totally geodesic homothetic foliations with complex leaves. The main building blocks are related to Swann's twists and are obtained by applying Weinstein's method of constructing symplectic bundles to Kähler data. As a byproduct we obtain new classes of: holomorphic harmonic morphisms with fibres of arbitrary dimension from compact Kähler manifolds; non-Kähler balanced metrics conformal to Kähler ones (but compatible with different complex structures).



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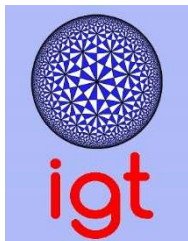
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