

Oberseminar Geometrie und Topologie

Sommersemester
2019

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Symplectic and Kähler structures on biquotients

9. April 2019 – 16.15 Uhr

Seminarraum IGT, Raum 7.530, Pfaffenwaldring 57

Abstract: We construct symplectic structures on roughly half of all equal rank biquotients of the form $G//T$, where G is a compact simple Lie group and T a torus, and investigate Hamiltonian Lie group actions on them. In addition to the previously known Kähler structure on the Eschenburg flag, we find another Kähler structure on one of the biquotients. At the end we will discuss some properties of the Kähler metrics on the 6-dimensional Eschenburg flag.



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