

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

2 Dezember, 12:15-13:00

Grosser Hörsaal, Mathematisches Institut

MATTHIAS LEUENBERGER

Universität Bern

Automorphisms of some affine surfaces

ABSTRACT

The complex torus $\mathbb{C}^* \times \mathbb{C}^*$ has no algebraic \mathbb{C}^+ -action but still has a rich algebraic automorphism group. The algebraic automorphism group of other surfaces with a cyclic boundary is substantially smaller. In the holomorphic case the situation is different, since there exists always holomorphic \mathbb{C}^+ -actions appearing as flows of complete vector fields.