

Alberto Abbondandolo, Luca Asselle, Barney Bramham
Gerhard Knieper, Stefan Suhr, Kai Zehmisch

Oberseminar Dynamische Systeme

Some applications of loop bundles and algebras of loops

Dienstag, 25. Oktober 2022
16:15 Uhr – Raum IA 1/53

Miguel Paternain
(CMAT, Montevideo)

Abstract:

We introduce a Lie algebra of curves slightly extending Goldman construction. We discuss an algebraic characterization of simple curves in a surface with boundary in terms of the Lie bracket. We shall also show applications of the loop bundle to cohomological equations and Anosov diffeomorphisms.

Guests are very welcome!