RUB

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

Oberseminar Dynamische Systeme

Lagrangian Unlinking and Recurrence

Dienstag, 15. Juni 2021
16:15 Uhr – per Zoom

Georgios Dimitroglou Rizell
(Uppsala)

Abstract:

We give an introduction to two related phenomena: Lagrangian unlinking and Lagrangian Poincaré recurrence. More precisely, we discuss recent work with L. Côté where we show that rational weakly exact Lagrangian tori in the cotangent bundle are Hamiltonian unlinked by using pseudoholomorphic foliation techniques. In an ongoing project with E. Opshtein we then use these techniques to study the problem of Lagrangian reccurrence in the product of a surface and an annulus.

Guests are very welcome!