Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

Fakultät für
Mathematik, Informatik
und Naturwissenschaften

Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 3. November 2015

17 Uhr s.t., Geom H4

Prof. Dr. Georgios Dimitroglou Rizell
(University of Cambridge)

The nearby Lagrangian conjecture for the two-dimensional torus

Abstract:

An important problem in symplectic topology is understanding the Lagrangian submanifolds of a given symplectic manifold. According to the nearby Lagrangian conjecture, two Lagrangian submanifolds that are sufficiently close in the C^0-norm are actually Hamiltonian isotopic. In a joint work with A. Ivrii and E. Goodman we prove this conjecture for Lagrangian two-dimensional tori using pseudo-holomorphic curve techniques. We also discuss general aspects of Lagrangian submanifolds, as well as constructions.

Vor dem Vortrag (ab 16.30 Uhr) stehen im Raum 327 Kaffee und Tee bereit.