

Geometry and Hamiltonian dynamics

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I'll start with a brief overview of the main research topics of the Antwerp analysis team which include integrable and non-integrable Hamiltonian dynamics and their relations to symplectic and contact geometry/topology, symplectic dynamics, Lagrangian mechanics, and various topics of differential geometry. Then I'll focus on our recent progress in integrable Hamiltonian systems and I'll explain the questions/problems we intend to work on during the next years.