

## Closed orbits in contact geometry

### Abstract:

The study of closed orbits of a Hamiltonian dynamical system is of particular interest. For example one could ask for closed orbits on a prescribed energy surface. If such an energy surface is of contact type, the existence was conjectured by Alan Weinstein (1979). In my talk I will discuss different flavours of the conjecture and report on recent results of a joint project with Hansjörg Geiges.