

## **abstract**

GEOMETRY/DYNAMICAL SYSTEMS

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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In this talk we shall discuss the Cartan geometry of the rotating Kepler problem. The rotating Kepler problem appears as the limit of the restricted planar three-body problem when one of the masses goes to zero. As such, this problem plays the role of a simple approximation. We shall discuss the Cartan curvature and some of its relations with indices in the three-body problem. This is joint work with Kai Cieliebak and Urs Frauenfelder.