

The seminar on differential geometry will continue by the following lecture:

November 5 (10.00, M5)

Radoslaw Kycia:

Integrability of geodesics of totally geodesic metrics

Abstract:

Analysis of the geodesics in the space of signature (1,3) that splits in two-dimensional distributions resulting from the Weyl tensor eigenspaces - hyperbolic and elliptic ones will be presented. Similar model of General Theory of Relativity coupled to Electromagnetism will be explained. Analysis of geodesic integrability will be outlined. This will be the brief overview of the manuscript [1].

Bibliography: [1] R. A. Kycia, M. Ulan, Integrability of geodesics of totally geodesic metrics, <https://arxiv.org/abs/1810.00962>