



EINLADUNG

Lunchseminar

zum Vortrag

von

Ighor Khavkine

(Prag)

über

“Conformal Killing Initial Data”

Abstract:

We find necessary and sufficient conditions ensuring that the vacuum development of an initial data set of the Einstein's field equations admits a conformal Killing vector. We refer to these conditions as conformal Killing initial data (CKID) and they extend the well-known Killing initial data that have been known for a long time. The strategy used to find the CKID is a classical argument involving wave-like "propagation equations". Time permitting, I will show how similar strategies might succeed or fail for other geometric equations, like e.g. Killing-Yano

Zeit: Freitag, 07.6.2019, 13.30

**Ort: Arbeitsgruppe: Gravitation, Währinger Straße 17, common room,
1. Stock**

gez.: P. T. Chrusciel, D. Fajman