



E I N L A D U N G

im Rahmen des Literaturseminars

zum Vortrag

von

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(Vienna)

über

„Nonvacuum stability of the Milne universe“

ABSTRACT:

The Milne model is the only cosmological vacuum solution to Einstein's equations (with vanishing cosmological constant) that is known to be nonlinearly (future-) stable due to the work of Andersson-Moncrief. We present a first generalisation of this result to the nonvacuum case, namely to the Einstein-Vlasov system. In particular, we introduce a new idea to combine earlier approaches to control massive collisionless matter in cosmological spacetimes with a physically motivated estimate that is necessary to establish sufficient decay properties of the matter field. This is joint work with Lars Andersson (Golm).

Zeit: Donnerstag, 07.12.2017, **14:00**

Ort: Arbeitsgruppe Gravitation, Währinger Straße 17, **Raum 218**,
2. Stock

gez.: P. Chrusciel