



Einladung zur öffentlichen Defensio

Felix ROTT

Thema der Dissertation

Fundamental constructions in Lorentzian length spaces

Abstract:

This thesis deals with fundamental constructions and concepts concerning the theory of Lorentzian length spaces, which can be described as an abstraction of Lorentzian geometry in the spirit of metric length spaces and metric geometry. On the one hand, a gluing construction for Lorentzian length spaces is developed. Building on this, an analogue to the Reshetnyak gluing theorem as well as the preservation of various other (causal) properties are established. On the other hand, a splitting theorem for spaces with non-negative curvature bounds in the sense of triangle comparison is presented.

Prüfungssenat

Univ.-Prof. Mag. Dr. Andreas Cap
(Vorsitz, Universität Wien)

Univ.-Prof. Mag. Mag. Dr. Michael Kunzinger
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Prof. Ettore Minguzzi
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Zeit und Ort

Montag, 18. März 2024, 09:00 Uhr

Online:

<https://univienna.zoom.us/j/62146248282?pwd=cDExaFJRY2gxMkU5cC80eGJNZzhydz09>

Meeting ID: 621 4624 8282

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