



PhD Colloquium

Benedict Schinnerl:

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Singularity Theorems from Non-Trivial Topology

The talk will introduce some basic concepts from Lorentzian geometry and general relativity. After a short introduction to the subject of singularity theorems, which establish geodesic incompleteness in certain spacetimes, we will focus on a particular kind of singularity theorem which deduces incompleteness from non-simply connected topology. The so-called Gannon-Lee theorem will be discussed as well as some of the ingredients for its proof.

18. June 14:00 - 14:45

Online at

vsmath.at/academics/phd-colloquia