Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 3. Juni 2025

17 Uhr, Geom H4

Dr. Jan Sbierski
(University of Edinburgh)

Title:

Strong cosmic censorship: how singularities restore determinism

Abstract:

It has been known for a long time that classical determinism can break down in the interior of rotating black holes. In 1968 Roger Penrose found a heuristic mechanism that leads to an instability and the subsequent formation of a singularity in the interior of such black holes. It is the formation of such a singularity that is expected to generically restore determinism. This scenario is known as the strong cosmic censorship conjecture. In this talk I will review this conjecture and also recent progress towards its resolution.

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**Vor dem Vortrag (ab 16.30 Uhr) stehen im Foyer vor Hörsaal H4
Kaffee und Tee bereit**.