

ABOUT

Began over a century ago, the National University of Singapore (NUS) has developed into an institution considered by many to be among the best in the world, with its transformative education and high impact research making a distinctive and positive impact on society.

The Department of Mathematics at NUS has been ranked among the best in Asia in recent QS World University Rankings by Subject. The Department offers a diverse and vibrant programme in undergraduate and graduate studies, in fundamental and applied mathematics. Faculty members' research covers all major areas of contemporary mathematics.

CONTACT

Department of Mathematics
Faculty of Science, National
University of Singapore

Block S17 10 Lower Kent
Ridge Road

Singapore 119076

+65-6516 2737 (Phone)

www.math.nus.edu.sg (Web)



Jeremie Szeftel
Sorbonne Université

Wednesday, 8 January 2025

3.30 pm - 4.30 pm

IMS executive seminar room (S17 Level 3)

On the black hole stability problem

I will introduce the celebrated black hole stability conjecture according to which the Kerr family of metrics are stable as solutions to the Einstein vacuum equations of general relativity. I will then discuss the history of this problem, including a recent work on the resolution of the black hole stability conjecture for small angular momentum.