



Universität Stuttgart



Kolloquium des Fachbereichs Mathematik

Es spricht am Freitag, 25. November 2022 um 14:00 Uhr

Herr Professor Dr. Rupert L. Frank

(LMU München)

zum Thema: „**Lieb-Thirring inequalities: What we know and what we would like to know**“

Abstract:

Lieb-Thirring inequalities are functional inequalities that generalize Sobolev inequalities and that have proved to be powerful tools in several questions from mathematical physics, PDEs and functional analysis. Recently, in the spirit of Lieb-Thirring inequalities, certain inequalities in harmonic analysis were extended to the setting of orthonormal functions. In this talk we give a gentle introduction to classical aspects of the subject, some recent progress and some open problems.

Der Vortrag findet im Sitzungssaal 8.122 der Fakultät Mathematik und Physik, Pfaffenwaldring 57, 70569 Stuttgart-Vaihingen statt. Interessenten sind herzlich eingeladen!

Die Dozentinnen und Dozenten des Fachbereichs Mathematik