Prof. **Niclas Bernhoff**

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Compactness property of the linearized Boltzmann operator for multicomponent mixtures of monatomic and polyatomic gases

Giovedì 22 settembre 2022, ore **11:30**

Sala Riunioni, III piano, Plesso di Matematica/Informatica

Tutti gli interessati sono invitati a partecipare
Organizzatrice prof.ssa Marzia Bisi

Abstract: *The linearized Boltzmann collision operator for monatomic single species can be written as the sum of a positive multiplication operator and a compact operator. This classical result was more recently extended to monatomic multicomponent mixtures and polyatomic single species. In this talk, we address a possible extension to multicomponent mixtures of monatomic and polyatomic gases, as well as some related properties, as Fredholmness and self-adjointness of the linearized collision operator.*