

EINLADUNG

Lunchseminar

zum Vortrag

von

Marek Dudynski (Warsaw)

über

"The spectral problem for linearized hydrodynamics in bounded regions"

Abstract:

For Laplace operator in various regions the problem of existence and properties of eigenvalues and eigenfuctions have been extensively studied and an almost complete theory emerged. In contrast similar theory for the linearised hydrodynamics with different boundary conditions is not existent as the relevant operator is not normal and general tools of the theory of self adjoint operators cannot be applied. I will describe a method to prove existence and completness of the spectrum of linearised hydrodynamics and basic properties of the eigenfunctions.

Zeit: Freitag, 07.09.2018, 13:00Ort: Arbeitsgruppe: Gravitation, Währinger Straße 17, common room 1. Stock

gez.: P. T. Chrusciel