

國立中山大學應用數學系 學術演講

講者：陳逸昆 教授 (NTU)

講題：On the Existence of H^1 solutions for Stationary Linearized Boltzmann Equations in a Small Convex Domain

時間：2023/05/23 (Tuesday) 14:10 ~ 15:00

地點：理 SC 4009-1 教室

茶會：13:30

Abstract

We investigate the incoming boundary value problem for the stationary linearized Boltzmann equations in a C^2 bounded domain with boundary of positive Gaussian curvature. For quite general regular incoming data, we prove the existence of solution in H^1 provided that the diameter of the domain is small enough. This is based on a joint work with Ping-Han Chuang, Chun-Hsiung Hsia, Daisuke Kawgoue, and Jhe-Kuan Su.

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