On the global well-posedness of the two-and-a-half dimensional Hall-magnetohydrodynamics system

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Abstract

In general, it has been established that the global regularity of solutions for any smooth initial data to the two-and-a-half dimensional Hall-magnetohydrodynamics sys- tem is an outstanding open question. This open problem seems to have been solved in one of my recent works. The purpose of this talk is to give an overview of this open problem and recent developments in it.

Date: April 24, 2024

Time: 1:00 – 1:50 pm

Location: LDB 400