



The Institute of Mathematical Sciences
The Chinese University of Hong Kong

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IMS PDE Seminar

Some analysis of compressible fluids in multi-connected domains

Abstract: This talk presents some results of the two-dimensional compressible Navier-Stokes equations and Magnetohydrodynamic system in multi-connected domains. More precisely, we will talk about the global well-posedness and the large-time asymptotic behavior of the strong solutions, and some relevant div-curl type inequalities. The first talk show some known works, the peculiarity of the multi-connected domains, and the role of div-curl type inequalities. In the second talk, we mainly focus on various div-curl type inequalities.

By

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Date	: April 7, 2025 (Monday) --- Part I April 10, 2025 (Thursday) --- Part II
Time	: 3:00pm – 4:00pm
Venue	: Room 501a, Academic Building No. 1, CUHK

All are Welcome