



Department of Mathematics
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Kinetic Mini-Course

Macro-Micro Decomposition and Energy Method for Boltzmann Equation

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Abstract: In this mini-course, we will introduce the energy method based on the macro-micro decomposition of the Boltzmann equation around a local Maxwellian. In the meantime, we apply the energy method to study the global existence and large-time asymptotic behavior of solutions for the Cauchy problem on the Boltzmann equation.

	Date & Time	Venue
Lecture 1:	9 September 2021, 10:00 am – 12:00 noon	Room 222, Lady Shaw Building
Lecture 2:	14 September 2021, 3:30 pm – 6:00 pm	Room 222, Lady Shaw Building
Lecture 3:	21 September 2021, 3:30 pm – 6:00 pm	Room 222, Lady Shaw Building
Lecture 4:	28 September 2021, 3:30 pm – 6:00 pm	Room 222, Lady Shaw Building

All are Welcome!