



Department of Mathematics
The Chinese University of Hong Kong

For Favour of Posting

數學系
香港中文大學

Phone: (852) 3943 7988-9 • Fax: (852) 2603 5154 • Email: dept@math.cuhk.edu.hk
Rm. 220, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

Kinetic Mini-Course

Some progress on the shear flow problem of the Boltzmann equation

by

Professor Shuangqian LIU
Central China Normal University

Abstract :

In this online mini-course, I will talk about some recent progress on the mathematical study of the shear flow problem on the Boltzmann equation. The topic includes

1. Uniform shear flow by the Boltzmann equation in case of Maxwell molecules;
2. Uniform shear flow by the Boltzmann equation in case of hard potentials;
3. The Boltzmann equation for plane Couette flow in a finite channel.

Date :	September 28, 2022 (Wednesday)
	October 5, 2022 (Wednesday)
	October 12, 2022 (Wednesday)
Time :	10:00am – 12:00pm (Hong Kong SAR)
ZOOM Meeting link:	
	https://cuhk.zoom.us/j/96707954752?pwd=cnJJRGdyN01PbFpQSTJPOT2JxWmdKUT09
Meeting ID :	967 0795 4752
Passcode :	903985

All are Welcome