

Summer School on Kinetic Theory and Related Applications (06/28-07/11, 2021)

Online: Zoom ID: 9313 2882 585 ; Passcode: 529631

Onsite: Conference Room I , CSRC

课程安排		时间	时长
第一节课		9:00-10:00	50+10
		Tea Break	20
第二节课		10:20-11:20	50+10
		Lunch	
第三节课		14:00-15:00	50+10
		Tea Break	20
第四节课		15:20-16:20	50+10
Date	Time	Lecturer	Title
6.28-7.02	9:00-11:20	Bernardo Cockburn (online) <i>University of Minnesota, USA</i>	An introduction to the Discontinuous Galerkin methods
6.28-7.01	14:30-17:30	workshop online	
7.02	14:00-16:20	Yan Xu (onsite) <i>University of Science and Technology of China</i>	Discontinuous Galerkin method for the high order derivative nonlinear equations
7.03	9:00-11:20	Yan Xu (onsite) <i>University of Science and Technology of China</i>	
	14:00-16:20	Wen-Jun Sun (onsite) <i>Institute of Applied Physics and Computational Mathematics</i>	The review of the Discrete Ordinate method for particle transfer
7.06	8:30-11:50	workshop onsite	
7.06	14:00-16:20	Min Tang (onsite) <i>Shanghai Jiao Tong University</i>	A Spatial-Temporal asymptotic preserving scheme for radiation magnetohydrodynamics
7.07	9:00-11:20	Min Tang (onsite) <i>Shanghai Jiao Tong University</i>	
	14:00-16:20	Yi Shi (onsite) <i>Institute of Applied Physics and Computational Mathematics</i>	Accurate and efficient Monte Carlo methods for radiative transfer equations
7.08	9:00-11:20	Feng-Yan Li (online) <i>Rensselaer Polytechnic Institute, USA</i>	Properties of some DG methods for a kinetic transport equation
7.09-7.10	9:00-11:20	Jing-Wei Hu (online) <i>Purdue University, USA</i>	A brief introduction to the Boltzmann equation and its numerical methods
	14:00-16:20	Zhen-Ning Cai (online) <i>National University of Singapore, Singapore</i>	Moment methods for rarefied gases
7.11	9:00-11:20	Qin Li (online) <i>University of Wisconsin-Madison, USA</i>	1: Boundary layers in kinetic-fluid coupling 2: Low rank structure in the forward and inverse kinetic theory