

Introduction to mathematical theory of kinetic equations

Seung-Yeal Ha

Seoul National University (syha@snu.ac.kr)

Lecture 1: Where do kinetic equations come from and why do we need to study ?

Lecture 2, 3: Basics of the Boltzmann equation

Lecture 4: From the Boltzmann equation to fluid equations

Lecture 5: Basics of the mean-field kinetic equations