

Low Regularity Approach for Kinetic Equations

Donghyun Lee

POSTECH, South Korea
DONGLEE@POSTECH.AC.KR

Abstract

We discuss low regularity approach for the Boltzmann equation and BGK model. In particular, Cauchy problem near Maxwellian (under physical boundary conditions), Hölder regularity and some ill-posedness results will be introduced. If time permits, the conditional large data problem will also be discussed.