

Partial Differential Equations Seminar

Title Recent progress on compressible Euler and Navier-Stokes systems based on the method of a-contraction with shifts.

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Date March 27th, 16:00 ~ 17:00

Location 과학관 225

Abstract

I will present the latest results on 1D compressible Euler and Navier-Stokes-(Fourier) system, especially on well-posedness of BV solution and stability of Riemann solution. These results are based on the so-called "a-contraction with shifts" method, which is basically energy based, and can seamlessly handle the superposition of waves of different kinds.

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