

Numerical Compressible Flow

Basic numerical methods

Prof. Feng Xiao

2019 - 03 - 13 (Wed.)

10:50 - 12:10

103, Mathematics Research Center Building (ori. New Math. Bldg.)

1. Conservative and non-conservative schemes
2. Finite volume method
3. Godunov scheme and extension
4. Entropy issue for hyperbolic conservation laws
5. Reconstruction and high-order schemes
6. Numerical oscillation and non-linear schemes (TVD etc.)
7. High resolution shock-capturing schemes

