中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker：Dr. Kian Chuan Ong (National Center for Theoretical Sciences)

Title：**Finite Difference Method for Numerical Simulation of Incompressible Fluid Flow**

Abstract：

An overview of finite difference discretisation for incompressible Navier-Stokes equations is discussed. The fundamental numerical framework considered here is based on the finite difference schemes implemented on a Cartesian mesh. In conjunction with the projection method to enforce the divergence-free constraint, this specific numerical configuration possesses simplicity, versatility and efficiency, while offering a comparable accuracy for the direct numerical simulation of incompressible fluid flows.

Time：11:00 - 12:30, Wednesday, May 2, 2018

Venue：Room 202, Astro-Math. Buidling (NTU Campus)

Organizer：Jyun-Ao Lin (Academia Sinica), Yang-Kai Lue (NCTS)

Refreshment：10:30

http://www.math.sinica.edu.tw/www/file_upload/conference/2016TPS/index.html

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