



DEPARTMENT OF APPLIED MATHEMATICS

應用數學系

**The Hong Kong Polytechnic University
Department of Applied Mathematics**

Colloquium

Sharp One Component Regularity for Navier-Stokes

by

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Abstract

In this talk we will first present that one component of velocity has an a priori bound which is critical with respect to the natural scaling of Navier-Stokes in the axi-symmetric case. We then turn to present the study on one component regularity for Navier-Stokes equations. Certain criticality property of the axi-symmetric Navier-Stokes equations will also be reported.

Date : 7 February, 2018 (Wednesday)

Time : 11:00a.m. – 12:00noon

Venue : TU801, The Hong Kong Polytechnic University

***** ALL ARE WELCOME ****