

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## **Analysis Seminar**

### **Stability of Poiseuille flows in a nozzle**

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#### **Abstract**

We discuss the recent progress on nonlinear structural stability of Poiseuille flows. The key ingredient of the analysis is the linear structural stability of Hagen-Poiseuille flows in a pipe, which also closely relates to dynamical stability of Hagen-Poiseuille flows. The stability of other shear flows in a nozzle will also be addressed.

Date: July 9, 2019 (Tuesday)

Time: 3:00 - 4:00pm

Venue: Room 210, Run Run Shaw Bldg., HKU

*All are welcome*