



*Institute of Mathematical Research  
Department of Mathematics*

## **GEOMETRY SEMINAR**

# Half-plane capacity and conformal radius

**Mr. Carto Wong**

University of Washington

### **Abstract**

The half-plane capacity of a set in the upper half-plane is used as the time parameter in the theory of the Loewner differential equation and Schramm-Loewner Evolution (SLE). In this talk, I will present a recent work with Steffen Rohde which proved that the half-plane capacity of a set is comparable to a number of geometrically defined quantities, using a similar result for conformal radius.

Date: December 12, 2011 (Monday)

Time: 2:30 – 3:30pm

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

*All are welcome*