

# **Graduate Seminar in Mathematics**

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**MUN**

**Friday, February 8, 2013**

**2:00-2:50pm.**

**HH-3017**

## **Isoperimetric Inequality for $k$ -Hessian Capacity**

### **Abstract:**

**$k$ -Hessian operator is the  $k$ th elementary symmetric polynomial of eigenvalues of the Hessian matrix. In this talk, we establish the relation between  $k$ -Hessian capacity and 2-capacity, and prove an isoperimetric inequality for  $k$ -Hessian capacity.**