

國立中山大學應用數學系
Dept. of Applied Math., National Sun Yat-sen University
Talk

Speaker : Dr. Daniel E. Spector

Technion-Israel Institute of Technology, Israel

Title : On potential estimates and regularity for Poisson's equation

Time : 2014/02/19 (Wednesday, 星期三) 14 : 10 ~ 15 : 00

Place : 理學院 4 樓理 4009-1 室 (教室設備: 白板、固定單槍、固定電腦)
(Room 4009-1, Dept. of Applied Math, NSYSU)

Tea Time : 15:00~15:30 於理 4010 室 (系辦公室)

Abstract

The Riesz potential enables one to give a unified theory of Sobolev inequalities and embeddings for $p > 1$. In this talk, I will give a review of some known potential estimates, along with their history, which will naturally lead us to a new estimate recently obtained in collaboration with Rahul Garg. I will also discuss applications to improved regularity for Poisson's equation in the plane.

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