[Video] Potential Theory Meets Geometric Measure Theory

Tatiana Toro, University of Washington
Friday, October 29, 2010 - 2:30pm

UW-PIMS Mathematics Colloquium (October 29, 2010)

A central question in Potential Theory is the extent to which the geometry of a domain influences the boundary regularity of solutions to divergence form elliptic operators. To answer this question one studies the properties of the corresponding elliptic measure. On the other hand one of the central questions in Geometric Measure Theory (GMT) is the extent to which the regularity of a measure determines the geometry of its support. The goal of this talk is to present a few instances in which techniques from GMT and Harmonic Analysis come together to produce new results in both of these areas.

Related Links:
Pacific Institute for the Mathematical Sciences
People Involved:
Tatiana Toro
Event Type:
• Colloquia

Event Subcalendar:
• UW-PIMS Colloquium

Department of Mathematics
University of Washington

Administrative Office
C-138 Padelford
Box 354350
Seattle, WA 98195-4350
Phone: (206) 543-1150
Fax: (206) 543-0397

For all academic inquiries, please contact:

Math Student Services
C-36 Padelford
Phone: (206) 543-6830
Fax: (206) 616-6974
advising@math.washington.edu

Privacy
Terms
Site Map
Alumni Update
Contact Us

Source URL: https://math.washington.edu/events/2010-10-29/video-potential-theory-meets-geometric-measure-theory