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FIRST IN CHANGE

Analysis and PDE Seminar

Dr. Taehun Lee
Korea Institute for Advanced Study (KIAS)

TITLE: Regular solutions to L_p Minkowski problem

Date : Dec 22th, 2022 (Thursday)
Time : 10am-11am (Hong Kong time)
11am-12noon (Korea time)
Link to ZOOM : https://unist-kr.zoom.us/j/3170659442
Meeting ID : 317 065 9442
Password : APDE21

Abstract. A cornerstone of the Brunn–Minkowski theory is the Minkowski problem initi-ated by Minkowski himself over a century ago. This problem characterizes measures generated by convex bodies and has been generalized to the L_p Minkowski problem which incorporates the centro-affine Minkowski problem as well as the logarithmic Minkowski problem. One of the most effective methods for the L_p Minkowski problem is the flow approach. In this talk, we discuss recent developments in this field, focusing on regular solutions to the logarithmic Minkowski problem obtained by anisotropic Gauss curvature flow. This work is joint with Kyeongsu Choi and Minhyun Kim.

All are welcome

This is a joint activity organized by Department of Mathematics, The Chinese University of Hong Kong, Hong Kong; Department of Mathematics, Institute of Mathematical Research, Research Division of Mathematical and Statistical Science, The University of Hong Kong, Hong Kong; and Department of Mathematical Sciences, Ulsan National Institute of Science and Technology, Korea. More details can be found in https://hkumath.hku.hk/~imr/event/CUHK_HKU_UNIST_Analysis_and_PDE/index.php.