

SCALING PROPERTIES OF STATIONARY MEASURES ON SELF-CONFORMAL ITERATED FUNCTION SYSTEMS

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Time: Wednesday, May. 13th, 15:30

Venue: Room 102, SCMS

Abstract:

Scaling scenery is a useful tool for studying fine-structure properties of fractal objects. Measures for which the scaling scenery flows satisfy a strong statistical property, called uniform scaling, appear to be geometrically more regular than general measures. In this talk, I shall present results on the scaling properties of stationary measures on self-conformal iterated function systems. The talk is based on joint works with B.Barany, A.Kaenmaki, A.Pyorala and Y.L. Wu.