

TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

Alexandre Kirillov

University of Pennsylvania

will speak on

A tale of two fractals

(a small book for toddler mathematicians)

ABSTRACT: This will be a short exposition of a book I just finished to write. The main subjects are arithmetic and analytic properties of: (1) harmonic functions on the Sierpinski gasket, (2) boundary curvatures of discs in the Apollonian gasket, and (3) possible relations between both.

An attractive feature of these topics is that deep open questions can be formulated on very simple and transparent base material.

MONDAY, JANUARY 29, 2007

LECTURE AT 4:00 PM (#)

COFFEE, TEA, AND REFRESHMENTS FROM 3-5 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS