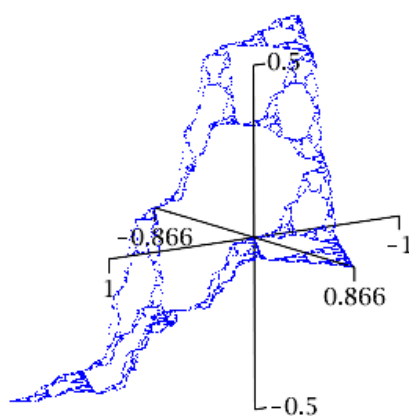


Analogs of Polynomials on the Sierpinski Gasket for a Family of Laplacians

Undergraduate Math Club
CORNELL UNIVERSITY



SPEAKER

Ely Sandine

ABSTRACT

I will be giving an introduction to fractal analysis on the Sierpinski Gasket (triangle), and discussing recent progress made in Cornell's SPUR program, overseen by Professor Strichartz. I will start by constructing derivatives through analogy with standard calculus. I will then define polynomials with respect to a family of Laplacians, and explain our group's recent observations. The first part of the talk will be quite elegant, and the second part will have interesting graphs and pretty pictures, including a moving one at the end!

SEP 17 at 5:15pm

Malott 532 ★ Refreshments