



ANALYSIS SEMINARS

MINIMALITY OF A SELF-SIMILAR STRUCTURE

By

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Abstract: The notion of “fractals” was introduced by Mandelbrot in the description of nature. “Self-similarity” is very important in the study of such sets and most classical fractal sets constructed by many mathematicians have the self-similarity in some sense. In this talk, I will give the basics of self-similar sets and explain the topological structures of them. Then I will define a self-similar structure which is a purely topological description of a self-similar set. Finally, I will state and prove a theorem which gives a characterization of “minimality” of a self-similar structure.

Date: December 18, 2018

Time: 16:00

Place: SA141 Mathematics Seminar Room

* Tea and cookies will be served before the talk. All are most cordially invited.