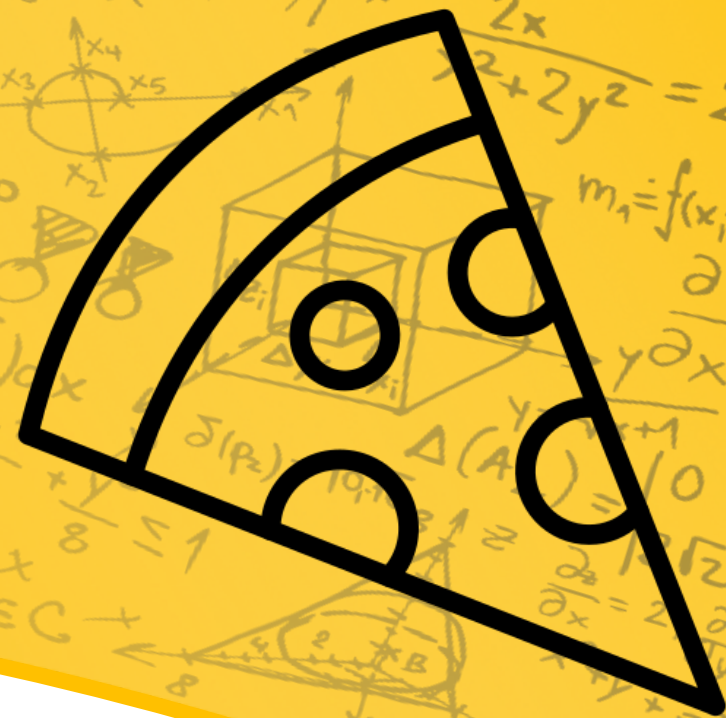




The Faculty of Mathematics
Invites you to the

Pizza seminar



Time &

Wednesday, March 13, 12:30
8th floor lounge, Amado bldg

Title

The fractal properties of the graphs of Weierstrass functions

Speaker

Haojie Ren (Technion)

Abstract

In this presentation, we'll start by discussing Weierstrass functions, which are the most famous example of continuous nowhere differentiable functions, initially introduced by Weierstrass. Following that, we'll introduce the concept of fractal dimension and illustrate its calculation using the Cantor set. Then, we'll briefly review the historical context. Next, we'll provide a simple proof of the box dimension of its graph, and finally, we'll introduce my result joint with Professor Weixiao Shen.