"Then he says "I as an artist can see how beautiful this is but you as a scientist take this all apart and it becomes a dull thing," and I think that he's kind of nutty.[...] I mean it's not just beauty at this dimension, at one centimeter; there's also beauty at smaller dimensions, the inner structure, also the processes."

——-Richard Feynman

THE TRIVIAL NOTIONS SEMINAR

Charles Wang

will speak on

Disassembling the Mandelbrot Set

ABSTRACT

The Mandelbrot set is defined to be the set of complex numbers c such that zero remains bounded under iterating the map $f(z) = z^2 + c$. It sure *looks* complicated, and indeed it has some very interesting mathematical structure. However, this structure is not actually particularly inscrutable. In this talk, I will attempt to describe the entire topological structure of the Mandelbrot set combinatorically.

Tuesday, March 29, 2022
at 1:30 pm
Science Center, Room 232