

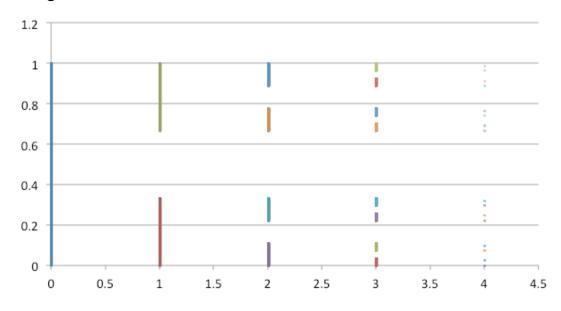
On this day in 1924, Benoit Mandelbrot born in Warsaw, Poland. He coined the term "fractal". His book, The Fractal Geometry of Nature (1982), not only popularized fractals, but helped convince mathematicians and scientists of their importance.

FAMUS: November 20, 2015

Friday Afternoon Math Undergrad Seminar meets on Fridays at 3:00-4:00pm in Room 164 of the Adel Math Building. Refreshments are always served!!

Iterated Function Systems & Their Attractors Speaker & Guest: Dr. Todd Wolford (NAU)

We will look at the effect of applying an Iterated function system to geometric figures in Rⁿ. We will begin by looking at the results that can be achieved by applying a couple of linear functions repeatedly to a line segment in R. We will see that a line segment, [0,1], can be turned into the famous Cantor Set. Does the result we get depend on our choice of line segment? What happens if we apply linear functions repeatedly to 2-dimensional or 3-dimensional objects? Attend this talk if you want to see the exciting and beautiful answers.



ALL MATHEMATICS MAJORS ARE ENCOURAGED AND EXPECTED AND ENCOURAGED TO ATTEND