Fractals and Geometric measure theory course

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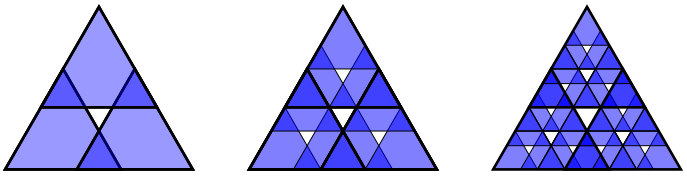
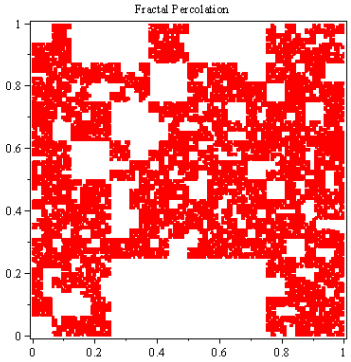
BME, H46, Friday 08:30 - 10:00.
First lecture: February 15, 2013.

Deterministic Fractals:



1. The best known self-similar and self-affine fractals.
2. Box dimension and Hausdorff dimension.
3. Methods of computing Hausdorff dimension.
4. Multifractal analysis



Random Fractals:

1. Most important families of random fractals.
2. Fractal percolation.
3. Dimension of Fractal percolation.
4. Brownian motion as a random fractal.

Further information:

http://www.math.bme.hu/~simonk/vf

2/0/0/f/3, Neptun code: BMETE95MM06