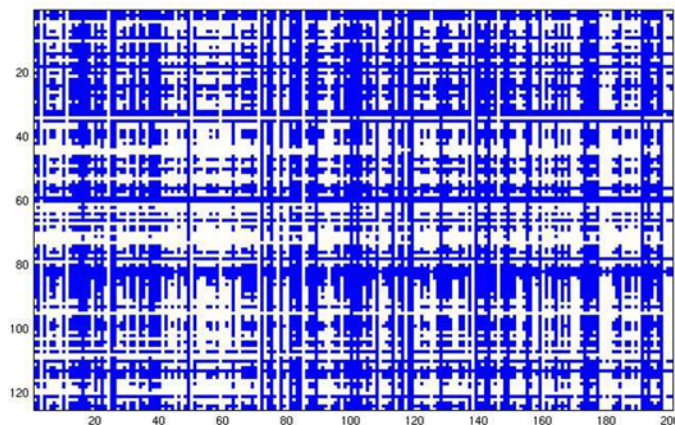# The Oliver Club

www.math.cornell.edu/~oliver/

Peter Winkler, Dartmouth College

Coordinate Percolation

In coordinate percolation, random variables are associated with the lines of a grid, and the life or death of each vertex depends on the values assigned to the lines that cross there. Coordinate percolation arises in scheduling problems, in contrast to independent percolation, which was intended originally as a model for porous material.

We'll consider several examples, among them one that has resisted analysis for 25 years, and another so miraculously easy that (with Lizz Moseman, NIST) we can exhibit in closed form the probability that there is an open path from the origin to infinity.

Thursday, November 11, 2010
at 4:25 PM in 406 Malott Hall

Refreshments will be served at 3:55 PM in the Mathematics Department lounge (532 Malott Hall).