

CONTINUUM PERCOLATION, POLYGAMOUS MATCHING AND STATISTICAL SIGNIFICANCE

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A class of natural continuum percolation model arises by connecting the points of a Poisson process by means of a stable (multi-)matching. I will review some results on this and related models. In particular, an intriguing result in one dimension by Deijfen, Holroyd and Peres involving statistical hypothesis testing gives an excuse to discuss some recent controversy regarding the latter concept.