

Peer Review

Review of: "Aspects of a Randomly Growing Cluster in $\mathbb{R}^2$, $d \geq 2$ "

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This is a simple and interesting model for a cluster of random points in $\mathbb{R}^d$. But I believe the statement of Theorem 1 should be clarified. It appears to state that the radius of the cluster of points has an exponential tail uniformly in $\alpha > 0$. But as α goes to 0, shouldn't the probability on the l.h.s. go to 1? Should the statement be: for every $\alpha > 0$, there exists L_α such that the inequality is true for $L \geq L_\alpha$?

I also find the proof of Theorem 1 difficult to follow. I suggest you explain every inequality above display (1) as well as the one in (1) and also the inequalities appearing on page 3.

The model is reminiscent of continuum percolation. Maybe you could discuss the connections between the two models.

I see two typos:

1. The title: $\mathbb{R}^d$ instead of $\mathbb{R}^2$.
2. Page 2, line 4, there is an extraneous "is".

Attachments: available at <https://doi.org/10.32388/MPCNWO>

Declarations

Potential competing interests: No potential competing interests to declare.