

**[P10] Cluster aggregation process under a pair exclusion**

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We present a cluster aggregation process under a pair exclusion constraint. The system consists of  $N=2$  pairs of nodes. During the cluster aggregation process, it is forbidden to include both members of each pair in any cluster. This model displays a percolation transition point at  $p=p_c= 1/2$ . Interestingly, for  $p>p_c$ , the density of the giant component scales as  $m \sim N^{0.25}$  and the mean cluster size scales as  $S \sim N^{0.77}$  with  $N$ .