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(Submitted on 12 Jul 2011)

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geometric graph with 2n vertices such that the resulting graph always contains a perfect noncrossing matching? We first address the case where the boundary of the convex hull of the original graph contains at most n + 1 points. In this case we show that n edges can be removed, one more than the general case. In the second part we establish a lower bound for the case where the \$2n\$ points are randomly chosen. We prove that with probability which tends to 1, one can remove any  $n + \frac{n}{\log n}$  discuss the upper bound for the number of arbitrary edges one must remove in order to eliminate all the non-crossing perfect matchings.

Edge-Removal and Non-Crossing Perfect

We study the following problem - How many arbitrary edges can be removed from a complete

Subjects: Combinatorics (math.CO); Probability (math.PR) Cite as: arXiv:1107.2314 [math.CO] (or arXiv:1107.2314v1 [math.CO] for this version)

## Submission history

From: Ran J Tessler [view email] [v1] Tue, 12 Jul 2011 14:57:30 GMT (45kb,D)

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