Combinatorics and Probability Seminar

How many partitions are degree sequences of some graph?

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Abstract: Given a graph $G$ with $n$ edges, we can look at the sequence of degrees to get a partition of $2n$. We then say that a partition is graphical if it is the degree sequence of some graph. A basic question is: how many partitions are graphical? I'll explain how to prove upper bounds on this, using connections to probability. Based on joint work with S. Melczer and S. Mukherjee.

Monday, February 28 at 3:00 PM in 636 SEO