

STOCHASTIC VERSION OF THE ERDÖS-RÉNYI LIMIT THEOREM

A. Khorunzhy

Abstract: We generalize the Erdős-Rényi limit theorem on the maximum of partial sums of random variables to the case when the number of terms in these sums is randomly distributed. Relations between this limit theorem and the spectral theory of random graphs and random matrices are discussed.

2000 AMS Mathematics Subject Classification: Primary 60F99; Secondary 05C50, 05C80, 15A52.

Key words and phrases: Erdős-Rényi partial sums, random matrices, random graphs, spectral norm.

THE FULL TEXT IS AVAILABLE [HERE](#)