

## On families of weakly dependent random variables

Tomasz Łuczak

*Adam Mickiewicz University  
Poznań, Poland*

In the talk we review results and problems concerning the distribution of small substructures in large random structures. Thus, we recall classical theorems on the asymptotic distribution of the number of such substructures, and present some method and techniques used to show large deviation inequalities for the sum of weakly dependent random variables. Then, we describe a series of problems on extremal properties of random structures and report on recent developments in this area.

Organizers:



Tomasz