

Random triangular groups — a threshold for collapsing

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We consider a model of a random group given by a random presentation with relators of length three, each chosen independently with given probability. We investigate the threshold for collapsing to trivial group and, using a method of Friedgut, we show that this threshold is sharp.

Talk based on a joint work with Ehud Friedgut and Tomasz Łuczak.

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