

Torsion in homology of random 2-complexes.

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One of the most interesting properties of the Linial–Meshulam random 2-complex is the apparent sudden emergence and equally sudden vanishing of torsion in H_1 . In this talk I will discuss experimental results examining when the torsion appears in H_1 , as well as the distribution of groups that appear as torsion subgroups. This is joint work in progress with Matt Kahle and Frank Lutz.