1161-05-27 **Jeff Kahn** and **Jinyoung Park*** (jinyoungpark0@gmail.com). *Tuza's Conjecture for random graphs.*

A celebrated conjecture of Zs. Tuza says that in any (finite) graph, the minimum size of a cover of triangles by edges is at most twice the maximum size of a set of edge-disjoint triangles. Resolving a recent question of Bennett, Dudek, and Zerbib, we show that this is true for random graphs; more precisely:

$$\text{for any } p = p(n),\ \mathbb{P}(G_{n,p} \text{ satisfies Tuza's Conjecture}) \to 1 \ (\text{as } n \to \infty).$$

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