

# Disjoint Circuits in Tournaments, beyond the Bermond-Thomassen bound.

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We show that every tournament  $T$  with minimum outdegree  $2k - 1$  has  $k$  vertex disjoint circuits. This answers positively the Bermond-Thomassen conjecture when the considered digraph is a tournament.

We also show that the 2 factor is not best possible and should be replaced by 1.5. Indeed, for every  $\varepsilon > 0$  there exists  $k_\varepsilon$  such that every tournament with outdegree at least  $(1,5 + \varepsilon)k$  where  $k > k_\varepsilon$  has  $k$  disjoint circuits. The value 1.5 is best possible and corresponds to packing triangles in regular tournaments.