

On disjoint cycles in digraphs

颜谨

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It was conjectured in 2010 that for given positive integers q at least 3 and k , any tournament with minimum out-degree at least $(q-1)k - 1$ contains at least k disjoint cycles of length q . In this talk, we provide a proof of the conjecture. Our result is also an affirmative answer concerning tournaments to the conjecture of Bermond - Thomassen.