

# Almost partitioning 2-colored complete 3-uniform hypergraphs into two monochromatic tight or loose cycles

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© 2018 Wiley Periodicals Inc. We show that for every  $\epsilon > 0$  there exists an integer  $n_0$  such that every 2-coloring of the 3-uniform complete hypergraph on  $n \geq n_0$  vertices contains two disjoint monochromatic tight cycles of distinct colors that together cover all but at most  $\epsilon n$  vertices. The same result holds if tight cycles are replaced by loose cycles.