

## FAMILIES OF TRIPLES WITH HIGH MINIMUM DEGREE ARE HAMILTONIAN

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### Abstract

In this paper we show that every family of triples, that is, a 3-uniform hypergraph, with minimum degree at least  $(\frac{5-\sqrt{5}}{3} + \gamma) \binom{n-1}{2}$  contains a tight Hamiltonian cycle.

**Keywords:** 3-uniform hypergraph, Hamilton cycle, minimum vertex degree.

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