Rödl, Vojtěch; Ruciński, Andrzej; Schacht, Mathias; Szemerédi, Endre
On the Hamiltonicity of triple systems with high minimum degree. (English) Zbl 1359.05089
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Summary: We show that every 3-uniform hypergraph with minimum vertex degree at least \(0.8\left(\frac{n-1}{2}\right)\) contains a tight Hamiltonian cycle.

MSC:
05C65 Hypergraphs
05C45 Eulerian and Hamiltonian graphs

Keywords:
hypergraphs; Hamiltonian cycles; Dirac’s theorem

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