

1152-05-475

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We find Dirac-type sharp sufficient conditions for a hypergraph \mathcal{H} with few edges to have a hamiltonian Berge cycle. Furthermore, these conditions yield that \mathcal{H} is *super-pancyclic*, i.e., for each $A \subseteq V(\mathcal{H})$ with $|A| \geq 3$, \mathcal{H} contains a Berge cycle with vertex set A . To do this, we exploit the language of bipartite graphs. In particular, we extend some results of Jackson on the existence of long cycles in bipartite graphs where the vertices in one part have high degrees, and prove his conjecture from 1981 on the topic. (Received September 10, 2019)