

Cycle decompositions of complete 3-uniform hypergraphs

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A 3-uniform cycle of length k has k vertices v_1, \dots, v_k and k edges $v_1v_2v_3, v_2v_3v_4, \dots, v_{k-2}v_{k-1}v_k, v_{k-1}v_kv_1, v_kv_1v_2$. We discuss constructions and open problems on edge decompositions of complete 3-uniform hypergraphs into cycles of given length, mostly in the case of $k = 5$.

References

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