

NOTE

ALMOST SELF-COMPLEMENTARY UNIFORM HYPERGRAPHS¹

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Abstract

A k -uniform hypergraph (k -hypergraph) is *almost self-complementary* if it is isomorphic with its complement in the complete k -uniform hypergraph minus one edge. We prove that an almost self-complementary k -hypergraph of order n exists if and only if $\binom{n}{k}$ is odd.

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