

Cycle decompositions in k -uniform hypergraphs

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Zoom meeting ID: 89397658300 Password: 121323

Link: <https://zoom.us/j/89397658300>

Abstract:

We show that k -uniform hypergraphs on n vertices whose codegree is at least $(2/3 + o(1))n$ can be decomposed into tight cycles, subject to the trivial divisibility condition that every vertex degree is divisible by k . As a corollary, we show that such hypergraphs also have a tight Euler tour answering a question of Glock, Joos, Kühn and Osthus. This is joint work with Simón Piga and Nicolás Sanhueza-Matamala.