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Decomposing and packing the complete graph with osculating 4-cycles. (English summary)

Proceedings of the Thirty-second Southeastern International Conference on Combinatorics, Graph Theory and Computing (Baton Rouge, LA, 2001).

Congr. Numer. **153** (2001), 65–76.

Summary: “The osculating 4-cycles graph, denoted OC_4 , consists of two 4-cycles with exactly one vertex in common. Necessary and sufficient conditions are given for the existence of a decomposition of the complete graph into OC_4 ’s. Necessary and sufficient conditions are also presented for maximal packings of the complete graph with OC_4 ’s.”

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