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Constructing the spectrum of packings and coverings for the complete graph with 4-stars.
(English) [Zbl 1341.05153](#)

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Summary: The packing and covering numbers for the 4-stars were determined by *Y. Roditty* [*Int. J. Math. Math. Sci.* 9, 277–282 (1986; [Zbl 0608.05028](#))]. In this paper we improve and extend these results by finding a corresponding maximum packing and minimum covering of the complete graph with 4-stars for every possible leave graph and excess graph.

MSC:

[05C51](#) Graph designs and isomorphic decomposition

[05C70](#) Edge subsets with special properties (factorization, matching, partitioning, covering and packing, etc.)

Cited in **2** Documents

Keywords:

[packing](#); [covering](#); [decomposition](#); [forests](#)