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## The thickness of $K_{1,n,n}$ and $K_{2,n,n}$ \*

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**Abstract:** The thickness of a graph  $G$  is the minimum number of planar subgraphs whose union is  $G$ . In this paper, we obtain the thickness of complete 3-partite graph  $K_{1,n,n}$ ,  $K_{2,n,n}$  and complete 4-partite graph  $K_{1,1,n,n}$ .

**Keywords:** Thickness, complete 3-partite graph, complete 4-partite graph.

Math. Subj. Class.: 05C10

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## The thickness of $K_{1,n,n}$ and $K_{2,n,n}$ \*

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**Povzetek:** Debelina grafa  $G$  je minimalno število ravninskih podgrafov, katerih unija je  $G$ . V tem članku dobimo debelino polnega 3-delnega grafa  $K_{1,n,n}$ ,  $K_{2,n,n}$  in polnega 4-delnega grafa  $K_{1,1,n,n}$ .

**Ključne besede:** Debelina, polni 3-delni graf, polni 4-delni graf.

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