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PAIR $L(2,1)$-LABELINGS OF INFINITE GRAPHS

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Abstract

An $L(2,1)$-labeling of a graph $G = (V, E)$ is an assignment of non-negative integers to V such that two adjacent vertices must receive numbers (labels) at least two apart and further, if two vertices are in distance 2 then they receive distinct labels. This article studies a generalization of the $L(2,1)$-labeling. We assign sets with at least one element to vertices of G under some conditions.

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