Abstract

A (p, q) graph $G$ is said to be a square sum graph if there exist a bijection $f$: $V(G)$\rightarrow\{0,1,2,\ldots,p-1\}$ such that the induced function $f^*:E(G)\rightarrow\mathbb{N}$ given by $f^*(u\,v) = [f^*(u)]^2 + [f^*(v)]^2$ for every $uv \in E(G)$ are all distinct. In this paper the square sum labeling of total graph of path $P_n$, cycle $C_n$ and middle graph of path $P_n$, cycle $C_n$ are discussed.

References

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Index Terms

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