Odd Graceful Labeling of the Revised Friendship Graphs

Abstract

The aim of this paper is to present some odd graceful graphs. In particular we show that the revised friendship graphs $F(kC_4)$, $F(kC_8)$, $F(kC_{12})$, $F(kC_{16})$ and $F(kC_{20})$ are odd graceful where $k$ is any positive integer. Finally, we introduce a new conjecture "The revised friendship graph $F(kC_n)$ is odd graceful where $k$ is any positive integer and $n = 0 \pmod{4}$.

References

- A. Solairaju & P. Muruganantham, Even Vertex Gracefulness of Fan Graph,
Odd Graceful Labeling of the Revised Friendship Graphs

International Journal of Computer Applications, Volume 8-No. 8, October 2010.

Index Terms

Computer Science  Applied Mathematics

Keywords

Graph Theory  odd graceful labeling  friendship graphs