

On Gracefulness of Face Splitting Graphs of Cycles Related Graphs

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A labeled graph G which can be gracefully numbered is said to be graceful. Labeling the nodes of G with distinct nonnegative integers and then labeling the q edges of G with the absolute differences between node values, if the graph edge numbers run from 1 to q , the graph G is gracefully numbered. In this paper, we present here a new constructions of graceful graphs from face splitting extension of cycles and their related graphs which provided infinite families of new graceful graphs.

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