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EDITORS

**Dr. S. Balamuralitharan
Dr. Wutiphol Sintunavarat
Dr. K. Sujith
Dr. R. Santhi Devi**

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EQUITABLE EDGE COLORING OF DEGREE SPLITTING GRAPH OF SOME GRAPHS

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Abstract

An equitable edge coloring of a graph is a proper edge coloring for which the difference between any two color classes is at most one. The minimum cardinality of G for such coloring is called equitable edge chromatic number. In this article, we determine the equitable edge chromatic number of degree splitting graph of ladder, sunlet, comb, bistar, shell and fan graph.

Keywords: Ladder graph, sunlet, comb, bistar, shell, fan, degree splitting graph and equitable edge coloring.