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On d-divisible graceful α-labelings of $C_{4k}\times P_m$

Anita Pasotti

(Submitted on 7 Jul 2011)

In a previous paper the concept of a d-divisible graceful α-labeling has been introduced as a generalization of classical α-labelings and it has been shown how it is useful to obtain certain cyclic graph decompositions. In the present paper it is proved the existence of d-divisible graceful α-labelings of $C_{4k}\times P_m$ for any integers $k\geq1$, $m\geq2$ for several values of d.

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