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HOME / ARCHIVES / VOL. 5 NO. 3 (2019): VOL. 5 NO. 3: VOLUME 5 ISSUE 3 (MARCH-2019) / Articles

NEIGHBOURHOOD CONTRACTION OF SOME IRREGULAR GRAPHS

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ABSTRACT

A connected graph G(V,E) is said to be a neighbourly irregular graph, if no two adjacent vertices of G have the same degree. G is said to be a highly irregular graph if for every vertex of G no two neighbours are of same degree. G is said to be neighbourhood highly irregular, for any vertex V, if any two distinct vertices in the open neighbourhood of V, have distinct closed neighbourhood sets. The neighbourhood contracted graph GV of G, with respect to the vertex V in V is the graph with the vertex set V-V in V0, where two vertices V1, where two vertices V2, if either V3, if either V4, if either V5, if either V6, if either V7, where V8, if either V8, if either V9, if either V9, if either V9, where V9, if either V9, if either V9, if either V9, if either V9, where V9, if either V9, if e

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Terms & Conditions

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Indexing

Archive

Current issue

\sim 111	SEN	_		\sim 1	
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