عنوان مقاله:

A new graph associated to a commutative ring

محل انتشار:

اولین همایش ملی ریاضیات و علوم مهندسی با رویکرد دانش کاربردی (سال: 1394)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Jafar Amjadi - *Department of Mathematics, Azarbaijan Shahid Madani University Tabriz , I.R . Iran*

Sakineh Nazari-Moghadam - *Department of Mathematics, Azarbaijan Shahid Madani UniversityTabriz , I.R . Iran*

خلاصه مقاله:

Let R be a commutative ring with identity which is not an integral domain . An ideal I of a ring R is called an annihilating ideal if there exists r R {0}such that Ir (0) . In this note, we investigate the domination number of a new simple undirected graph associated with R denoted by (R)whose vertex set, , equals the set of all nonzero annihilating ideals of R , and two distinct vertices I , J in this graph are joined by an edge if and only if I+J is also an annihilating ideal of R.

کلمات کلیدی:

Commutative rings , annihilation ideal, graph

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/460949