AN IDEAL-BASED ZERO-DIVISOR GRAPH OF DIRECT PRODUCTS OF COMMUTATIVE RINGS

S. Ebrahimi Atani, M. Shajari Kohan and Z. Ebrahimi Sarvandi

Faculty of Mathematical Sciences
University of Guilan
P. O. Box 1914 Rasht, Iran

e-mail: ebrahimi@guilan.ac.ir
shajarikohan@gmail.com
zahra.2006-ebrahimi@yahoo.com

Abstract

In this paper, specifically, we look at the preservation of the diameter and girth of the zero-divisor graph with respect to an ideal of a commutative ring when extending to a finite direct product of commutative rings.

Keywords: zero-divisor graph, ideal-based, diameter, girth, finite direct product.

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References


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