

Review of: "Zero-Divisor Graphs of \mathbb{Z}_n , their products and D_n "

Imran Javaid¹

¹ Bahauddin Zakariya University, Multan

Potential competing interests: No potential competing interests to declare.

Report on "ZERO-DIVISOR GRAPHS OF

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It is always exciting to study graphs associated with some algebraic structure. These types of investigations have received a good deal of attention over the years. In the present work, the authors have discussed the properties of zero divisor graphs of some ring families. After going through the manuscript thoroughly, the following are my comments related to the results discussed in this paper.

1. The authors have studied the properties of zero divisor graphs, their type graph, and strong type graph. So, it will be interesting to provide an example showing all three graphs associated with a specific ring.
2. The paper is often filled with a continuous stream of Theorems and Lemmas without discussing the ideas behind them. The addition of comments or discussion before and after results is recommended.
3. Section 5 needs to be improved as it contains only one remark consisting of 13 properties of zero divisor graph of poset

D_n

. Convert these into results (merge two or more properties into one result) clearly stating reasons that justify these properties.

4. The authors need to go through the manuscript once again carefully and make the write-up consistent. For example, on page no. 1, articles are cited as [2,3,4,5] whereas in the first line of section 5 articles are cited as [8],[9],[10].

Overall, the paper is good and the level of research is acceptable for publication. So, I recommend the paper to be accepted for publication after completion of all the above recommendations.