

## عنوان مقاله:

On the reliability of modified bubble-sort graphs

## محل انتشار:

فصلنامه معادلات در ترکیبات, دوره 11, شماره 2 (سال: 1401)

تعداد صفحات اصل مقاله: 7

## نویسنده:

Mohsen Ghasemi - Department of Mathematics, University of Urmia, P. O. Box ۵۷۱۳۵ Urmia, Iran

## خلاصه مقاله:

The modified bubble-sort graph  $MB_n$  ( $n \geq 2$ ) has been known as a topology structure of interconnection networks. In this paper, we propose simple method for arc-transitivity of  $MB_n$  ( $n \geq 2$ ). Also by using this result we investigate some reliability measures, including super-connectivity, cyclic edge connectivity, etc., in the modified bubble-sort graphs.

## کلمات کلیدی:

restricted edge-connectivity, arc-transitive, modified bubble-sort graph

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1307313>

