
ROUGH SET MODELS CAUSED BY NANO TOPOLOGIES ON FINITE DIRECTED GRAPHS

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ABSTRACT

Nano topology is matchless topology using rough set theory. Really, it is consist of maximum of five elements and introduced by Thivagar and Richard. On the other hands, graph theory is a popular subject in science such as chemistry as well as mathematics. It is known that graph theory and topology are related two subject. In this paper states a new topology originate from graphs and at same time applies it to obtain an original rough set model. The essential properties of this model is investigated and compare it with previous ones. The result indicates that this approach is better than earlier method.

Keywords rough sets · topology · nano topology · graphs

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