## The Caracteristics of Ordered Bilinear Form Semigroups

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## ABSTRACT

Research on a semigruop has grown rapidly. A semigruop with an ordered operation is called an ordered semigruop if it meets some conditions. A bilinear forms semigroup is a semigruop which is formed based on a bilinear form which satisfies specific properties. In this study, investigated the properties of an ordered bilinear form semigruop based on its regular elements. We have obtained some properties associated with the largest element inverse, the largest element of idempotent and its relation to the equivalence classes of the left and right Green relation on the ordered bilinear form semigroup

Kata Kunci: Ordered bilinear form semigroup, regular element, the graetest idempotent, the greatest inverse