

## BI-INTERIOR IDEALS OF SEMIGROUPS

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### Abstract

In this paper, as a further generalization of ideals, we introduce the notion of bi-interior ideal as a generalization of quasi ideal, bi-ideal and interior ideal of semigroup and study the properties of bi-interior ideals of semigroup, simple semigroup and regular semigroup.

**Keywords:** quasi ideal, bi-ideal, interior ideal, bi-interior ideal, bi-quasi ideal, regular semigroup, bi-interior simple semigroup.

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