



**EQUIVALENT CHARACTERIZATIONS AND STRUCTURE
THEOREM OF RIGHT C-wrpp SEMIGROUPS**

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Abstract

The aim of this paper is to study the right dual of left C-wrpp semigroup, that is, the strongly wrpp semigroup whose set of idempotents forms a right regular band and the relation $\mathcal{L}^{(+)} \vee \mathcal{R}$ is a congruence. We call this kind of strongly wrpp semigroups right C-wrpp semigroups. This paper generalizes results of right C-rpp semigroups. Some properties and characterizations of right C-wrpp semigroups are investigated.

Keywords and phrases: right C-wrpp semigroup, right regular band, strongly wrpp semigroup.

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