



**CONGRUENCE LATTICES OF REGULAR SEMIGROUPS
WITH QUASI-IDEAL INVERSE TRANSVERSALS**

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Abstract

In this paper, we give congruences on a regular semigroup with a quasi-ideal inverse transversal S° by the congruence pair abstractly which consists of congruences on the structure component parts R and L . We prove that the set of all congruences on this kind of semigroups is a completely lattice.

Keywords and phrases: regular semigroup, inverse transversal, quasi-ideal transversal, congruence.

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