

## THE CLIFFORD SEMIRING CONGRUENCES ON AN ADDITIVE REGULAR SEMIRING

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### Abstract

A congruence  $\rho$  on a semiring  $S$  is called a (generalized)Clifford semiring congruence if  $S/\rho$  is a (generalized)Clifford semiring. Here we characterize the (generalized)Clifford congruences on a semiring whose additive reduct is a regular semigroup. Also we give an explicit description for the least (generalized)Clifford congruence on such semirings.

**Keywords:** additive regular semiring, skew-ring, trace, kernel, Clifford congruence.

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