

## LEFT ZEROID AND RIGHT ZEROID ELEMENTS OF $\Gamma$ -SEMIRINGS

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### Abstract

In this paper we introduce the notion of a left zeroid and a right zeroid of  $\Gamma$ -semirings. We prove that, a left zeroid of a simple  $\Gamma$ -semiring  $M$  is regular if and only if  $M$  is a regular  $\Gamma$ -semiring.

**Keywords:** left zeroid, right zeroid, idempotent,  $\Gamma$ -semiring, division  $\Gamma$ -semiring.

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