

## NONADDITIVE COMMUTING MAPPINGS ON TRIANGULAR $n$ -MATRIX RINGS

LEI LIU\* AND ZHIXUAN CHEN

*Abstract.* Let  $\mathcal{A}$  be any ring. A nonadditive mapping  $\varphi : \mathcal{A} \rightarrow \mathcal{A}$  is said to be commuting if  $[\varphi(a), b] = [a, \varphi(b)]$  for all  $a, b \in \mathcal{A}$ . In this paper, we mainly describe the general form of nonadditive commuting mappings on triangular  $n$ -matrix rings. The result is then applied to triangular rings.

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