

# Identities of Vector Spaces and Nonassociative Linear Algebras

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In this talk, we study the concept of the identity of the  $L$ -space as a weak identity of the pair  $(A, E)$ , where  $A$  is the associative  $F$ -algebra generated by the vector space  $E$  over the field  $F$ . We study the properties of the  $L$ -spaces and their identities. Corollaries of some of the results proved are also obtained for non-associative linear algebras satisfying the identity  $x(yz) = 0$ .