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## On Two-Dimensional Power Associative Algebras Over Algebraically Closed Fields and $\mathbb{R}$ (Article)

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### Abstract

In this paper we describe all power-associative algebra structures on a two-dimensional vector space over algebraically closed fields and  $\mathbb{R}$ . The list of all two-dimensional left(right) unital power-associative algebras, along with their unit elements, is specified. Also we compare the result of the paper with that results obtained earlier. © 2019, Pleiades Publishing, Ltd.

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