

RADICALS AND CLASSES OF FILIAL ALGEBRAS

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An algebra A over a commutative unital ring K is called filial (left filial, right filial) if and only if all accessible (left accessible, right accessible) subalgebras of A are ideals (left ideals, right ideals). The aim of the talk is to present a number of structure theorems concerning such algebras and relations among them, in which various radicals play a substantial role. The strongest results (almost a complete classification) are obtained for left (right) filial algebras in case when K is a field.