

Representations of Generalized Almost-Jordan Algebras

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© 2015, Copyright Taylor & Francis Group, LLC. This paper deals with the variety of commutative algebras satisfying the identity $\alpha\{(yx)^2\}x + \beta\{(yx)^3\} = 0$, where α, β are scalars. These algebras appeared as one of the four families of degree four identities in Carini, Hentzel, and Piacentini-Cattaneo [6]. We give a characterization of representations and irreducible modules on these algebras. Our results require that the characteristic of the ground field is different from 2, 3.