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J-rings of characteristic two that are Boolean. (English) Zbl 0819.16021

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From the abstract: This paper is concerned with determining all integers n , with $n \geq 2$, such that if R is a ring having the property that $x^n = x$ and $2x = 0$ for each $x \in R$, then R is Boolean.

Reviewer: [M.Abad \(Bahia Blanca\)](#)

MSC:

[16R10](#) *T*-ideals, identities, varieties of associative rings and algebras

[06E20](#) Ring-theoretic properties of Boolean algebras

[16D70](#) Structure and classification for modules, bimodules and ideals (except as in [16Gxx](#)), direct sum decomposition and cancellation in associative algebras)

[16U80](#) Generalizations of commutativity (associative rings and algebras)

[16N40](#) Nil and nilpotent radicals, sets, ideals, associative rings

Keywords:

J-rings; Boolean rings

Full Text: [DOI](#) [EuDML](#)