

Kim, Hong Kee**Some remarks on skew polynomial rings over reduced rings.** (English) Zbl 1024.16016
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A ring R is called Baer if the right annihilator of every nonempty subset of R is generated, as a right ideal, by an idempotent of R . For a reduced ring R and a monomorphism α of R with $\alpha(P) \subseteq P$ for any minimal prime ideal P of R , it is shown that the skew polynomial ring $R[x; \alpha]$ is Baer if and only if R is Baer.

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MSC:

- 16S36 Ordinary and skew polynomial rings and semigroup rings
- 16P70 Chain conditions on other classes of submodules, ideals, subrings, etc.; coherence (associative rings and algebras)
- 16D10 General module theory in associative algebras
- 16D25 Ideals in associative algebras

Keywords:

Baer rings; right annihilators; idempotents; reduced rings; skew polynomial rings