

**MR1338187 (96d:17032)** 17D92 17C27  
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**Multibarcic algebras.** (English summary)

*Non-associative algebra and its applications (Oviedo, 1993)*, 235–240, *Math. Appl.*, 303, Kluwer Acad. Publ., Dordrecht, 1994.

Summary: “Most of the baric algebras arising in population genetic models are baric algebras whose weight homomorphism is uniquely determined. However, some algebras with genetic realization have two or more weight homomorphisms. In the present work we generalize the concept of train algebra for multibarcic algebras and we consider the bibarcic train algebras of rank 3 and 4. In particular we show that for these ranks, being Jordan is equivalent to being power-associative. Furthermore we give a characterization of bibarcic train algebras of rank 3 based on the properties of a refined Peirce decomposition. Also, some results about train algebras of rank 4 are presented.”

{For the entire collection see [MR1338148 \(96a:17001\)](#)}

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