

Baues, Hans-Joachim; Dreckmann, Winfried; Franjou, Vincent; Pirashvili, Teimuraz
Foncteurs polynomiaux et foncteurs de Mackey non linéaires. (Polynomial functors and nonlinear Mackey functors). (French) [Zbl 0995.18004](#)
Bull. Soc. Math. Fr. 129, No. 2, 237-257 (2001).

Let $P_n(\mathbb{Z})$ be the category of polynomial functors with degree $\leq n$ for $n \geq 1$ from the category of free abelian groups (of finite type) to the category of abelian groups.

Quadratic functors has been applied by *H. J. Baues* [J. Pure Appl. Algebra 91, No. 1-3, 49-107 (1994; [Zbl 0790.55014](#))] to approach the category $P_2(\mathbb{Z})$. The authors make use of an appropriate notion of Mackey functors to present a neat description of the category $P_n(\mathbb{Z})$.

Reviewer: [Marek Golasinski \(Toruń\)](#)

MSC:

- 18D10 Monoidal, symmetric monoidal and braided categories (MSC2010)
- 20C05 Group rings of finite groups and their modules (group-theoretic aspects)
- 20C30 Representations of finite symmetric groups
- 20C12 Integral representations of infinite groups
- 55U99 Applied homological algebra and category theory in algebraic topology
- 55P15 Classification of homotopy type
- 18G50 Nonabelian homological algebra (category-theoretic aspects)

Cited in 1 Review
Cited in 6 Documents

Keywords:

[diagram of abelian group](#); [Mackey functor](#); [polynomial functor](#)

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