

Lambek, J.

Least fixpoints of endofunctors of Cartesian closed categories. (English) Zbl 0788.18006
Math. Struct. Comput. Sci. 3, No. 2, 229-257 (1993).

The paper is an extended and revised version of the author's previous article [*Lect. Notes Comput. Sci.* 363, 200-207 (1989; [Zbl 0688.18005](#))]. It offers another approach to the main result of *J. C. Reynolds* and *G. D. Plotkin* [in *Huet, G. (ed.): Logical foundations of functional programming*, 127-152 (1990; [Zbl 0709.68003](#))] by using the notion of weak polynomial product in place of indexed and internal categories.

Reviewer: [Hirokazu Nishimura \(Ibaraki\)](#)

MSC:

- 18D15 Closed categories (closed monoidal and Cartesian closed categories, etc.) Cited in 4 Documents
- 03B40 Combinatory logic and lambda calculus
- 18C10 Theories (e.g., algebraic theories), structure, and semantics
- 68Q55 Semantics in the theory of computing
- 03F55 Intuitionistic mathematics

Keywords:

least fixed point; second order polymorphic lambda calculus; weak polynomial product

Full Text: [DOI](#)

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