A Bibliography of Combinators
Stephen Wolfram

Foundational Documents


Books


R. Smullyan (1985), To Mock a Mockingbird, Knopf.


**Surveys & Summaries**


Combinators as Symbolic Expressions

Specific Combinators & Behavior


A Bibliography of Combinators


Conversions & Notations


Combinator Reduction


**Random Combinators**


**Combinators as Mathematical Constructs**

**Combinatory Logic**


Models of Combinatory Logic


**Relations to Lambda Calculus**


B. Robinet (1979), Lambda Calcul et Sémantique Formelle des langages de programmation (in French), Litp-Ensta.


**Relations to Type Theory**


**Relations to Recursive Functions**


Relations to Other Mathematical Structures


Combinator Computation

Combinator Evaluation


**Compilation to Combinators**


**Combinators in Functional Programming**


**Metaprogramming with Combinators**


Specific Programming Tasks


**Extensions & Applications**

**Extensions of Combinators**


**Combinatory Grammars & Linguistics**


Confusing Issues

The term “combinatory analysis” has nothing to do with “combinators”; it’s an earlier name for “combinatorics”, used for example in:


“Combinatory” is also not used in the sense of combinators in:


“Combinator” is sometimes used as a fairly general term for a function or operation that combines computational operations, as in:


“The Combinator” is a recent combinatorial tool for idea generation, that seems to have no relation to combinators:


*Y Combinator* is a startup accelerator founded by P. Graham et al. in 2005; its name is derived from the fixed-point combinator, but otherwise it is unrelated:


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