



The Lambda Calculus: Its Syntax and Semantics (Studies in Logic and the Foundations of Mathematics)

By H. P. Barendregt



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The revised edition contains a new chapter which provides an elegant description of the semantics. The various classes of lambda calculus models are described in a uniform manner. Some didactical improvements have been made to this edition. An example of a simple model is given and then the general theory (of categorical models) is developed. Indications are given of those parts of the book which can be used to form a coherent course.

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Review

This book is (almost) an encyclopedia of type-free lambda calculus... The reviewer is surprised by the author's success in getting in such an amount of material with motivations and complete proofs...

Zentralblatt für Mathematik

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