



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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Editorial Review

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

It brings together virtually all of the current knowledge on the subject and will be indispensable for serious students of the lambda calculus...

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There must have been an exceptional amount of effort to ensure the high quality of text and printing...

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