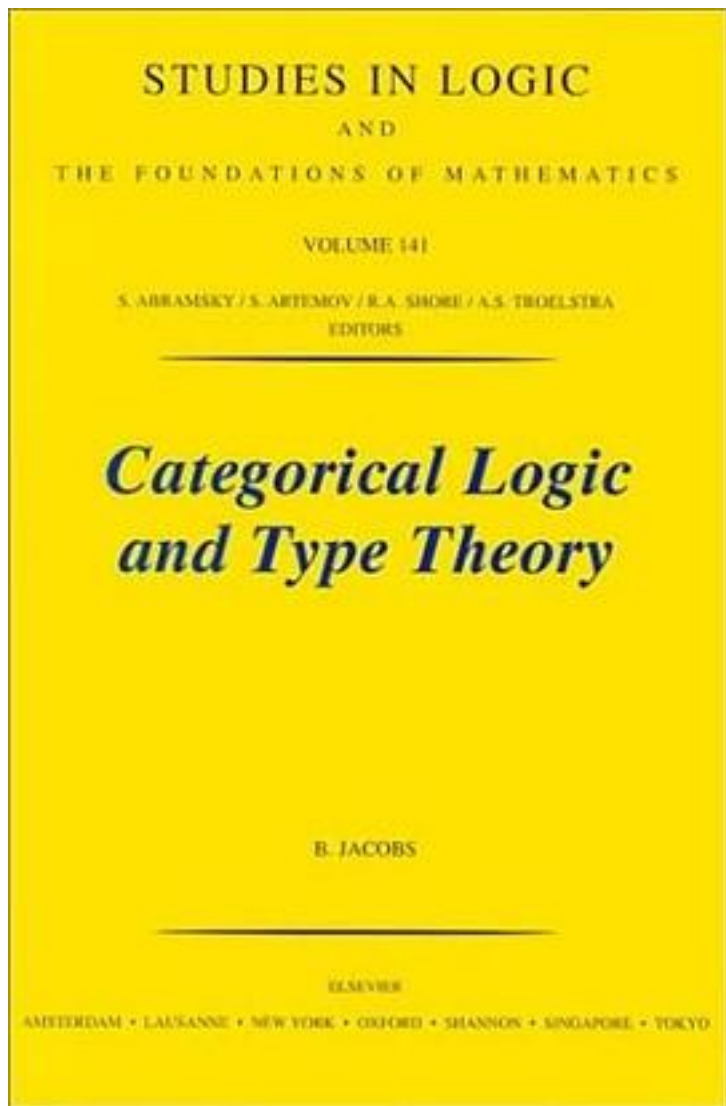


Categorical Logic and Type Theory (Studies in Logic and the Foundations of Mathematics)



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This book is an attempt to give a systematic presentation of both logic and type theory from a categorical perspective, using the unifying concept of fibred category. Its intended audience consists of logicians, type theorists, category theorists and (theoretical) computer scientists.

作者介绍:

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标签

范畴逻辑

逻辑学

类型论

数学

范畴论

nemlophics

PLT

Mathematics

评论

我只读了第一到十页介绍性的内容，这部分以下面几个主要观点入手：逻辑总是类型论上的逻辑，STT或DTT或PTT等等；不以集合论语言为先导的范畴论如何描述；类型（逻辑）的内容是范畴的指标，其中符号可以有范畴解释……这几点是建立本书的基石：范畴作为类型（逻辑）的语义。纤维化/指标的/分类的范畴就是本书方方面面所讨论的。如果不是从计算机应用的角度出发（比如证明系统的设计，程序语言的设计，数据库的管理等等），类型论或者说高阶逻辑，就是纯粹的哲学的东西了。

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书评

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