

<<BCI-代数>>

图书基本信息

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内容概要

This book is mainly designed for the graduate students who are in-terested in the theory of BCK and BCI-algebras.

BCI-algebras are a wider class than BCK-algebras, introduced by Kiyoshi Iseki in 1966. BCI-algebras as a class of logical algebras are the algebraic formulations of the set difference together with its pro-perties in set theory and the implicational functor in logical systems. They are closely related to partially ordered commutative monoids as well as various logical algebras. Their names are originated from the combinators B, C, K and I in combinatory logic. The early re-search work was mainly carried out among the Japanese mathemati-cians Kiyoshi Is~ki and Shotaro Tanaka, etc. who did a great deal of foundation work. Since late 1970s, their work has been paid much attention. In particular, the participation in the research of Polish mathematicians Tadeusz Traczyk and Andrzej Wronski as well as Australian mathematician William H. Cornish, etc. is making this branch of algebra develop rapidly. Many interesting and important results are discovered continuously. Now, the theory of BCI-algebras has been widely spread.

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编辑推荐

《BCI-代数》系统地介绍了BCI - 代数的基础理论，阐述了自BCI - 代数问世以来国内外尤其是国内学者的主要研究成果。

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