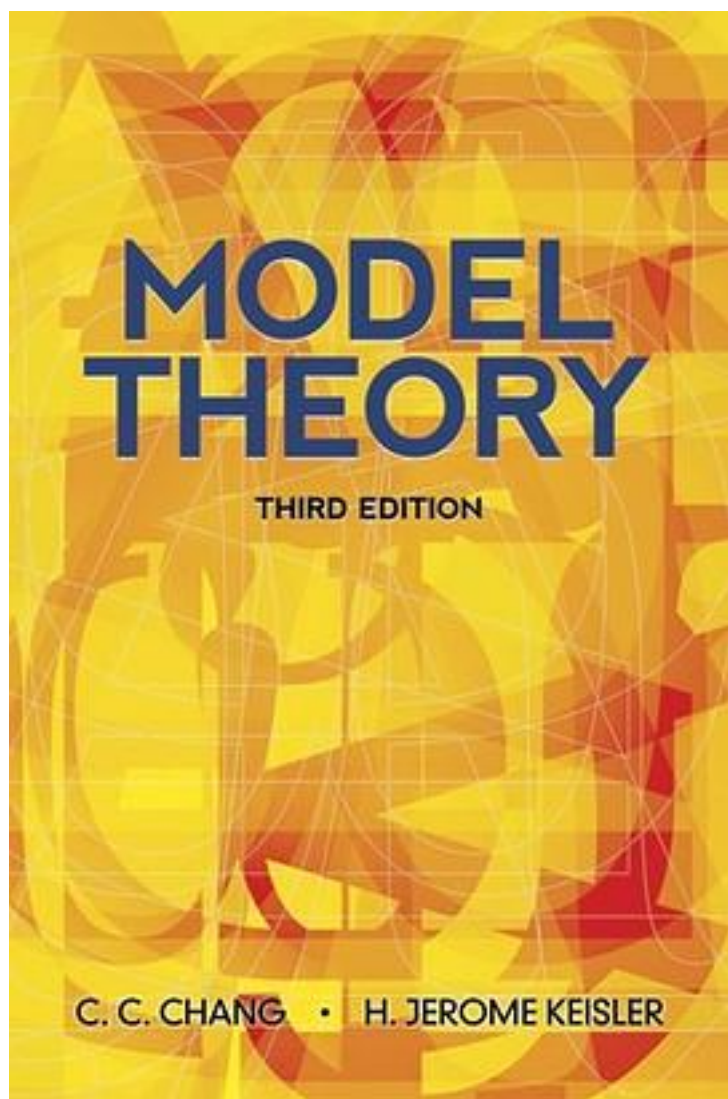


Model Theory



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著者:David Marker

出版者:Springer

出版时间:2002-08-21

装帧:Hardcover

isbn:9780387987606

This book is a modern introduction to model theory which stresses applications to algebra throughout the text. The first half of the book includes classical material on model construction techniques, type spaces, prime models, saturated models, countable models, and indiscernibles and their applications. The author also includes an introduction to stability theory beginning with Morley's Categoricity Theorem and concentrating on omega-stable theories. One significant aspect of this text is the inclusion of chapters on important topics not covered in other introductory texts, such as omega-stable groups and the geometry of strongly minimal sets. The author then goes on to illustrate how these ingredients are used in Hrushovski's applications to diophantine geometry. David Marker is Professor of Mathematics at the University of Illinois at Chicago. His main area of research involves mathematical logic and model theory, and their applications to algebra and geometry. This book was developed from a series of lectures given by the author at the Mathematical Sciences Research Institute in 1998.

作者介绍:

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评论

前四章不错

目前最流行的模型论教材之一（美国Marker，欧洲Hodge），前六章是经典内容，后几章重点强调模型论在代数中的应用。可惜有若干手误与印刷错误，最好能参照最新勘误表阅读。经典模型论部分宜结合Chang,3rd学习。

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