

<<Program Development >>

图书基本信息

书名：<<Program Development in Computational Logic计算逻辑的程序开发>>

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内容概要

This book presents a unique state-of-the-art survey on progress in the field of program development making use of computational logic. The motivating idea behind this approach is the belief that declarative paradigms such as logic programming are better suited to program development tasks than traditional non-declarative ones such as imperative paradigms. Closely related to the international workshop and symposium series "Logic Program Synthesis and Transformation", later renamed "Program Development in Computational Logic", this book presents 15 carefully selected and reviewed articles and surveys by leading researchers in the area. The contributions are grouped in sections on specification and synthesis, semantics, analysis, transformation and specialization, termination, and systems.

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书籍目录

Specification and Synthesis Specifying Compositional Units for Correct Program Development in Computational Logic Synthesis of Programs in Computational Logic Developing Logic Programs from Specifications Using Stepwise RefinementSemantics Declarative Semantics of Input Consuming Logic Programs On the Semantics of Logic Program CompositionAnalysis Analysing Logic Programs by Reasoning Backwards Binding Time Analysis for Mercury A Generic Framework for Context-Sensitive Analysis of Modular ProgramsTransformation and Specialisation Unfold/Fold Transformations for Automated Verification of Parameterized Concurrent Systems Transformation Rules for Locally Stratified Constraint Logic Programs Specialising Interpreters Using Offiine Partial DeductionTermination Characterisations of Termination in Logic Programming On the Inference of Natural Level Mappings Proving Termination for Logic Programs by the Query-Mapping Pairs ApproachSystems Herbrand Constraint Solving in HALAuthor Index

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