## << Perspectives of Syst>>

#### 图书基本信息

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#### 内容概要

This book constitutes the thoroughly refereed postconference proceedings of the 5th International Andrei Ershov Memorial Conference, PSI 2003, held in Akademgorodok, Novosibirsk, Russia in July 2003. The 55 revised full papers presented were carefully reviewed and selected from 110 submissions during two rounds of evaluation and improvement. The papers are organized in topical sections on programming, software engineering, software education, program synthesis and transformation, graphical interfaces, partial evaluation and supercompilation, verification, logic and types, concurrent and distributed systems, reactive systems, program specification, verification and model checking, constraint programming, documentation and testing, databases, and natural language processing.

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#### 书籍目录

Programming Issues The Verifying Compiler: a Grand Challenge for Computing Research Linear Types for Cashflow Reengineering Storing Properties in Grouped Tagged Tuples A Polymorphic Radix-n Framework for Fast Fourier Transforms Intersecting Classes and PrototypesSoftware Engineering Bending without Breaking: Making Software More Flexible Program Construction in the Context of Evolutionary Computation A Layered Architecture Sustaining Model-Driven and Event-Driven Software DevelopmentSoftware Education The Outside-In Method of Teaching Introductory ProgrammingProgram Synthesis, Transformation &: Semantics Numeric Types in Formal Synthesis On the Possibility of Provably Secure Obfuscating Programs Verification-Oriented Language Operational Semantics light and Its Structural Proofs-as-Imperative-Programs: Application to Synthesis of Contracts Graphical Interfaces On the Visualization and Aesthetics of Large Graphs Data Mappings in the Model-View-Controller PatternPartial Evaluation &: Supercompilation The Translation Power of the Futamura Projections A Compiler Generator for The Supercompiler SCP4: General Structure Partial Evaluation for Common Constraint Logic Programs Intermediate Language Verification Timed Verification with CRT Verification of Distributed Dataspace Architectures Using SPIN and STeP to Verify Business Processes Specifications Integrating Tools for Automatic Program Verification Logic & Types A Logical Reconstruction of Reachability......Concurrent & Distributed SystemsConcurrent & Reactive SystemsProgram Specification Verification & Model Checking Graphical InterfacesPartial Evaluation & SupercompilationVerififcationLogic & TypesConcurrent & Distributed SystemsConcurrent & Reactive SystemsConstrait Programming Doucmentation & Testing DatabasesNatural Language Processing Author Index

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