

<<Teaching Formal Meth>>

图书基本信息

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### 内容概要

This book constitutes the refereed proceedings of the CoLogNet/FME Symposium on Teaching Formal Methods, TFM 2004, held in Ghent, Belgium in November 2004. The 15 revised full papers presented together with an invited paper and 2 abstracts of invited talks were carefully reviewed and selected from numerous submissions. The papers presented explore the failures and successes of formal methods education, consider how the failures might be resolved, evaluate how to learn from the successes, and attempt promoting cooperative projects to further the teaching and learning and the usage and acceptance of formal methods

书籍目录

A Beginner's Course on Reasoning About Imperative Programs  
Designing Algorithms in High School Mathematics  
Motivating Study of Formal Methods in the Classroom  
Formal Systems, Not Methods  
A Practice-Oriented Course on the Principles of Computation, Programming, and System Design and Analysis  
Teaching How to Derive Correct Concurrent Programs from State-Based Specifications and Code Patterns  
Specification-Driven Design with Eiffel and for Teaching Lightweight Formal Methods  
Agents Integrating Formal Specification and Software Verification and Validation  
Distributed Teaching of Formal Methods  
An Undergraduate Course on Protocol Engineering  
How to Teach Formal Methods Without Scaring Students  
Linking Paradigms, Semi-formal and Formal Notations  
Teaching Formal Methods in Context  
Embedding Formal Development in Software Engineering  
Advertising Formal Methods and Organizing Their Teaching: Yes, but  
Retrospect and Prospect of Formal Methods Education in China  
A Survey of Formal Methods Courses in European Higher Education  
The FME Subgroup on Education (Convenor: J.N. Oliveira)  
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