

Code Generation, Analysis Tools, and Testing for Quality

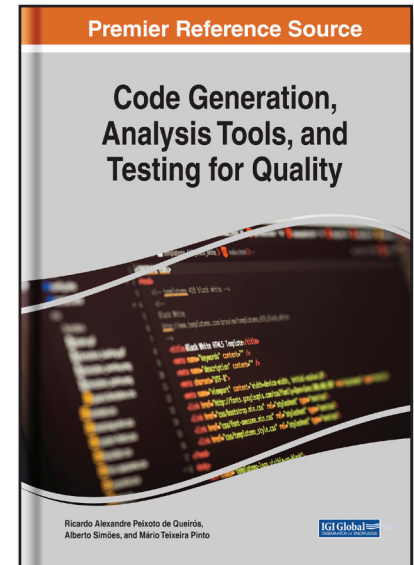
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Description:

Despite the advances that have been made in programming, there is still a lack of sufficient methods for quality control. While code standards try to force programmers to follow a specific set of rules, few tools exist that really deal with automatic refactoring of this code, and evaluation of the coverage of these tests is still a challenge.

Code Generation, Analysis Tools, and Testing for Quality is an essential reference source that discusses the generation and writing of computer programming and methods of quality control such as analysis and testing. Featuring research on topics such as programming languages, quality assessment, and automated development, this book is ideally designed for academicians, practitioners, computer science teachers, enterprise developers, and researchers seeking coverage on code auditing strategies and methods.



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Topics Covered:

- Auditing Tools
- Automated Development
- Code Editors
- Code Generation
- Competitive Programming
- Declarative Languages
- Programming Languages
- Quality Assessment
- Static Code Analysis
- Unit Testing

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