Google Drive

Theory of Computational Complexity (Wiley Series in Discrete Mathematics and Optimization)

Ding-Zhu Du, Ker-I Ko

Download now

[Click here](#) if your download doesn"t start automatically

Theory of Computational Complexity (Wiley Series in Discrete Mathematics and Optimization)

Ding-Zhu Du, Ker-I Ko

Theory of Computational Complexity (Wiley Series in Discrete Mathematics and Optimization) Ding-Zhu Du, Ker-I Ko

Praise for the *First Edition*

"...complete, up-to-date coverage of computational complexity theory...the book promises to become the standard reference on computational complexity." *-Zentralblatt MATH*

A thorough revision based on advances in the field of computational complexity and readers' feedback, the *Second Edition* of *Theory of Computational Complexity* presents updates to the principles and applications essential to understanding modern computational complexity theory. The new edition continues to serve as a comprehensive resource on the use of software and computational approaches for solving algorithmic problems and the related difficulties that can be encountered.

Maintaining extensive and detailed coverage, *Theory of Computational Complexity, Second Edition*, examines the theory and methods behind complexity theory, such as computational models, decision tree complexity, circuit complexity, and probabilistic complexity. The *Second Edition* also features recent developments on areas such as NP-completeness theory, as well as:

- A new combinatorial proof of the PCP theorem based on the notion of expander graphs, a research area in the field of computer science
- Additional exercises at varying levels of difficulty to further test comprehension of the presented material
- End-of-chapter literature reviews that summarize each topic and offer additional sources for further study

Theory of Computational Complexity, Second Edition, is an excellent textbook for courses on computational theory and complexity at the graduate level. The book is also a useful reference for practitioners in the fields of computer science, engineering, and mathematics who utilize state-of-the-art software and computational methods to conduct research.