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## bookz

Here you can download electronic versions of various books on algorithms and the C ++ language.

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Books whose names are written in English are English-language; all other books are Russian.

## C ++

### Visual C ++, MFC

- Kruglinski, Wingou, Shepherd. **Microsoft Visual C ++ 6.0 Programming for Professionals** (PDF [in RAR], 54.4 MB)

## C ++

- ANSI C ++ International Standard (second edition, 2003-10-15) (PDF, 2.3 MB)
- Eckel. **Philosophy of C ++. Introduction to Standard C ++ (2nd ed.)** (DJVU, 6.4 MB)
- Eckel, Allison. **Philosophy of C ++. Practical Programming** (DJVU, 6.5 MB)
- Sutter. **Solving complex problems in C ++. 87 puzzle examples with solutions** (DJVU, 3.8 MB)
- Sutter. **New complex tasks in C ++. 40 new puzzle examples with solutions** (DJVU, 3.6 MB)
- Strastrup. **C ++ Programming Language (2nd, revised ed.)** (PDF, 2.9 MB)
- Stroustrup. **The C ++ Programming Language (3rd edition)** (PDF, 3.4 MB)
- Abrahams, Gurtovoy. **C ++ Template Metaprogramming: Concepts, Tools, and Techniques from Boost and Beyond** (CHM, 0.62 MB)
- Josyutis. **C ++. Standard library. For professionals** (DJVU, 4.8 MB)
- Josyutis. **C ++. Standard library. For professionals (CD to the book)** (ZIP, 0.14 MB)
- Vandervoorde, Josuttis. **C ++ Templates: The Complete Guide** (CHM, 0.72 MB)
- Sutter, Alexandrescu. **C ++ Coding Standards: 101 Rules, Guidelines, and Best Practices** (CHM, 0.51 MB)
- Golub. **A rope of sufficient length to shoot itself in the leg. C and C ++ Programming Rules** (PDF, 1.29 MB)
- Meyers. **Effective C ++. More effective C ++** (CHM, 2.0 MB)
- Dewhurst. **Slippery places C ++. How to avoid problems when designing and compiling your programs** (DJVU, 9.3 MB)
- Dewhurst. **C ++. Sacred Knowledge** (DJVU, 6.7 MB)

## Algorithms

### Fundamental benefits

- Knuth **The Art of Computer Programming. Volume 1 (3rd edition)** (DJVU, 6.0 MB)
- Knuth **The Art of Computer Programming. Volume 2 (3rd edition)** (DJVU, 7.6 MB)
- Knuth **The Art of Computer Programming. Volume 3 (2nd edition)** (DJVU, 7.7 MB)
- Cormen, Leiserson, Rivest, Stein. **Algorithms Construction and Analysis (1st ed.?)** (PDF, 4.5 MB)
- Sedgwick. **Fundamental Algorithms (3rd ed.). Parts 1-4** (DJVU, 15.0 MB)
- Sedgwick. **Fundamental Algorithms (3rd ed.). Part 5** (DJVU, 16.7 MB)
- Whip. **The art of programming. Volume 1** (DJVU, 5.6 MB)
- Whip. **The art of programming. Volume 2** (DJVU, 6.1 MB)
- Whip. **The art of programming. Volume 3** (DJVU, 6.4 MB)
- Graham, Whip, Patashnik. **Concrete Math** (DJVU, 8.9 MB)
- Papadimitriou, Steiglitz. **Combinatorial optimization: algorithms and complexity** (DJVU, 5.6 MB)
- Motwani, Raghavan. **Randomized Algorithms** (DJVU, 4.4 MB)
- Tucker. **Computer Science Handbook** (PDF, 27.0 MB)
- Mehlhorn, Sanders. **Algorithms and Data Structures: The Basic Toolbox** (PDF, 2.0 MB)

## Olympiad tasks

- Menshikov. **Olympiad programming tasks** (DJVU, 4.4 MB)
- Menshikov. **Olympiad programming tasks (CD to the book)** (ZIP, 4.0 MB)
- Okulov. **Programming in Algorithms** (DJVU, 3.6 MB)
- Dolinsky. **Solving complex and olympiad programming problems** (DJVU, 2.9 MB)
- Skien, Revilla. **Programming Olympiad Tasks** (DJVU, 5.3 MB)

## Lines

- Gasfield. **Strings, trees and sequences in algorithms** (DJVU, 12.1 MB)
- Smyth. **Computing patterns in strings** (DJVU, 26.4 MB)
- Crochemore, Rytter. **Jewels of Stringology** (DJVU, 2.6 MB)
- Crochemore, Hancart. **Automata for matching patterns** (pdf, 0.44 MB)

## Compilation, interpretation

- Aho, Lam, Sethi, Ullman. **Compilers: Principles, Techniques and Tools** (DJVU, 5.7 MB)
- Mogensen. **Basics of Compiler Design** (PDF, 0.81 MB)
- Pratt, Zelkowitz. **Programming Languages: Development and Implementation (4th ed., 2002)** (DJVU, 5.7 MB)

## Game theory

- Conway. **On Numbers and Games** (DJVU, 2.1 MB)

## Algebra, number theory

- Ribenboim. **The New Book of Prime Number Records** (DJVU, 11.0 MB)
- Shoup. **A Computational Introduction to Number Theory and Algebra (version 2)** (PDF, 3.5 MB)
- William H. Press, Saul A. Teukolsky, William T. Vetterling, Brian P. Flannery. **Numerical Recipes: The Art of Scientific Computing** (PDF, 20.4 MB)

## Computational Geometry

- The drug, Shaymos. **Computational geometry. Introduction** (DJVU, 4.5 MB)
- Andreeva, Egorov. **Computational geometry on a plane** (PDF, 0.61 MB)
- Mount. **Lecture notes for the course Computational Geometry** (PDF, 0.77 MB)
- de Berg, van Kreveld, Overmars, Schwarzkopf. **Computational Geometry: Algorithms and Applications (2nd, revised edition)** (DJVU, 3.7 MB)
- Chen **Computational Geometry: Methods and Applications** (PDF, 1.14 MB)
- Starlings. **Delaunay triangulation and its application** (PDF, 2.5 MB)
- Miu. **Voronoi Diagrams: lecture slides** (PDF, 0.14 MB)
- Held. **Voronoi Diagram: slides** (PDF, 1.35 MB)

## Counts

- Ahuja, Magnanti, Orlin. **Network flows** (DJVU, 13.8 MB)
- Arriving. **The Dimer Problem and Kirchhoff Theorem** (PDF, 1.18 MB)
- Thorup. **Unidirected Single-Source Shortest Paths with Positive Integer Weights in Linear Time** (PPT, 1.10 MB)
- Eppstein. **Finding the K Shortest Paths** (PDF, 0.18 MB)
- Sokkalingham, Ahuja, Orlin. **Inverse Spanning Tree Problems: Formulations and Algorithms** (PDF, 0.07 MB)
- Ahuja, Orlin. **A Faster Algorithm for the Inverse Spanning Tree Problem** (PDF, 0.10 MB)
- Brander, Sinclair. **A Comparative Study of K-Shortest Path Algorithms** (PDF, 0.16 MB)
- Gabow. **An Efficient Implementation of Edmonds Maximum-Matching Algorithm** (PDF, 2.7 MB)
- Bender, Farach-Colton. **The LCA Problem Revisited** (PDF, 0.08 MB)
- Mainika. **Optimization Algorithms on Networks and Graphs** (DJVU, 4.0 MB)
- Mehlhorn, Uhrig. **The minimum cut algorithm of Stoer and Wagner** (PDF, 0.12 MB)
- Auray. **Graph Theory** (DJVU, 4.3 MB)
- Harari. **Graph Theory** (DJVU, 8.7 MB)
- Stoer, Wagner. **A Simple Min-Cut Algorithm** (PDF, 0.20 MB)
- Lovasz, Plummer. **Matching theory** (PDF, 9.9 MB)
- Tutte. **The Factorization of Linear Graphs** (PDF, 0.47 MB)

## Combinatorics

- Stepanov. **Burnside Lemma and Coloring Problems** (PDF, 0.18 MB)
- Harari. **Listing Counts** (DJVU, 4.1 MB)

## Complexity theory

- Gary, Johnson. **Computers and hard problems** (DJVU, 11.5 MB)

## Maths

- Aitken. **Determinants and Matrices** (PDF, 10.2 MB)

## Data structures

- Tarjan. **Efficiency of a Good But Not Linear Set Union Algorithm** (PDF, 0.63 MB)
- Tarjan, Leeuwen. **Worst-Case Analysis of Set Union Algorithms** (PDF, 1.55 MB)

## Optimization

- Kaspersky **Code Optimization: Effective Memory Usage** (CHM, 10.4 MB)
  - Kaspersky **Code Optimization: Effective Memory Usage (CD to book)** (ZIP, 4.6 MB)
  - Fog. **Optimization Manuals (Optimizing software in C ++, in assembly, processors microarchitecture) (last edited - 2008)** (PDF [in ZIP], 2.9 MB)
  - Intel **Intel Architecture Optimization Manual (1997)** (PDF, 0.49 MB)
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## Java

### Java

- Eckel. **Java Philosophy (4th ed.)** (DJVU, 5.4 MB)
  - Horstmann, Cornell. **Java 2. Professional library. Volume 1 (Fundamentals) (7th ed.)** (DJVU, 10.5 MB)
  - Horstmann, Cornell. **Java 2. Professional library. Volume 2 (The Subtleties of Programming) (7th ed.)** (DJVU, 13.2 MB)
  - Horstmann, Cornell. **Java 2. Professional Library (7th ed.) (CD to book)** (ZIP, 0.66 MB)
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## Tex

### Tex

- Whip. **All About TeX** (DJVU, 17.1 MB)
- Abrahams, Hargreaves, Berry. **TeX for the Impatient** (PDF, 1.36 MB)

### LaTeX

- Gratzer. **Math into LaTeX. An Introduction to LaTeX and AMS-LaTeX** (DJVU, 0.34 MB)
- Oetiker. **The Not So Short Introduction to LaTeX (version 4.26, 2008-Sep-25)** (PDF, 2.3 MB)