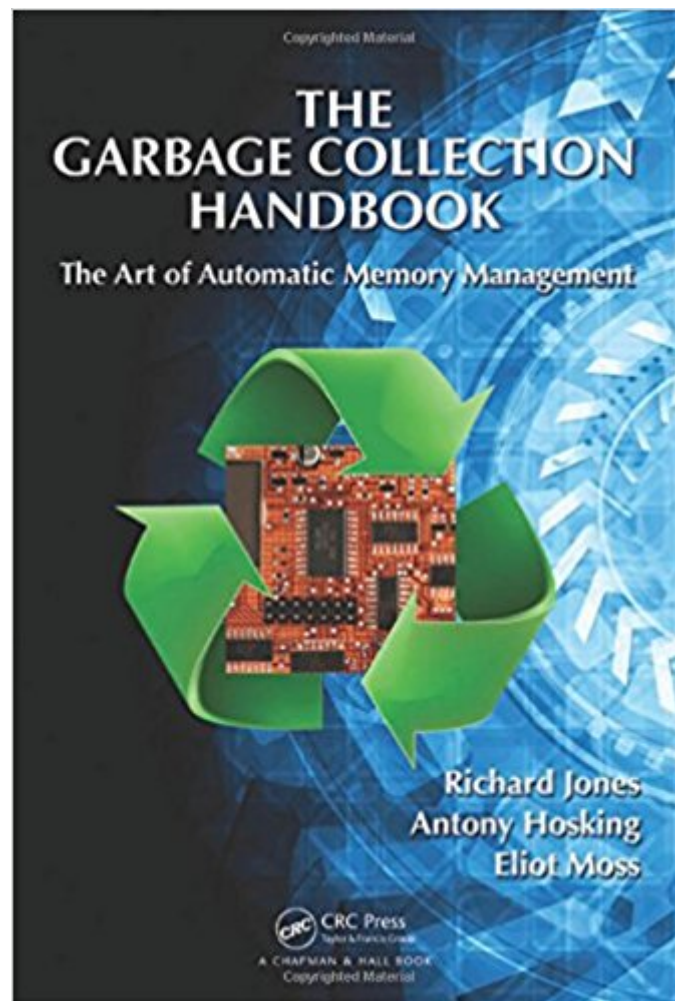


The book was found

# The Garbage Collection Handbook: The Art Of Automatic Memory Management (Chapman & Hall/CRC Applied Algorithms And Data Structures Series)



## Synopsis

Published in 1996, Richard Jones's Garbage Collection was a milestone in the area of automatic memory management. The field has grown considerably since then, sparking a need for an updated look at the latest state-of-the-art developments. The Garbage Collection Handbook: The Art of Automatic Memory Management brings together a wealth of knowledge gathered by automatic memory management researchers and developers over the past fifty years. The authors compare the most important approaches and state-of-the-art techniques in a single, accessible framework. The book addresses new challenges to garbage collection made by recent advances in hardware and software. It explores the consequences of these changes for designers and implementers of high performance garbage collectors. Along with simple and traditional algorithms, the book covers parallel, incremental, concurrent, and real-time garbage collection. Algorithms and concepts are often described with pseudocode and illustrations. The nearly universal adoption of garbage collection by modern programming languages makes a thorough understanding of this topic essential for any programmer. This authoritative handbook gives expert insight on how different collectors work as well as the various issues currently facing garbage collectors. Armed with this knowledge, programmers can confidently select and configure the many choices of garbage collectors. Web ResourceThe book's online bibliographic database at [www.gchandbook.org](http://www.gchandbook.org) includes over 2,500 garbage collection-related publications. Continually updated, it contains abstracts for some entries and URLs or DOIs for most of the electronically available ones. The database can be searched online or downloaded as BibTeX, PostScript, or PDF. E-bookThis edition enhances the print version with copious clickable links to algorithms, figures, original papers and definitions of technical terms. In addition, each index entry links back to where it was mentioned in the text, and each entry in the bibliography includes links back to where it was cited.

## Book Information

Series: Chapman & Hall/CRC Applied Algorithms and Data Structures series

Hardcover: 511 pages

Publisher: Chapman and Hall/CRC; 1 edition (August 17, 2011)

Language: English

ISBN-10: 1420082795

ISBN-13: 978-1420082791

Product Dimensions: 1 x 7.8 x 10.5 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (3 customer reviews)

Best Sellers Rank: #111,664 in Books (See Top 100 in Books) #2 inÂ Books > Computers & Technology > Programming > Algorithms > Memory Management #10 inÂ Books > Computers & Technology > Programming > Algorithms > Data Structures #32 inÂ Books > Textbooks > Computer Science > Algorithms

## Customer Reviews

"The Garbage Collection Handbook is the most up to date, detailed, and exhaustive collation and description of the current state of the art of the Garbage Collection and Automatic Memory Management available today. It is an imperative reference book for anyone working in the field, and I would consider it the textbook of reference covering 'GC 101' thru 'GC 530' course levels, if such courses were given at universities worldwide. As CTO of Azul Systems and co-creator of multiple modern concurrent collectors, Richard Jones' previous 'Garbage Collection' (1996) book was indispensable to my work over the years. The Garbage Collection Handbook has immediately taken its place. Each of our GC engineers has a copy on their desk. Gil Tene, Chief Technical Officer and co-founder of Azul Systems

This probably is the best book on GC that is both systematical and practical. Really helpful for understanding all GC algorithms.

This is an excellent book and the on-line resources are quite good. The content covered is well-described.

[Download to continue reading...](#)

The Garbage Collection Handbook: The Art of Automatic Memory Management (Chapman & Hall/CRC Applied Algorithms and Data Structures series) Data Classification: Algorithms and Applications (Chapman & Hall/CRC Data Mining and Knowledge Discovery Series) Garbage Collection: Algorithms for Automatic Dynamic Memory Management Algorithms + Data Structures = Programs (Prentice-Hall Series in Automatic Computation) Memory Exercises: Memory Exercises Unleashed: Top 12 Memory Exercises To Remember Work And Life In 24 Hours With The Definitive Memory Exercises Guide! (memory exercises, memory, brain training) Algorithms in Bioinformatics: A Practical Introduction (Chapman & Hall/CRC Mathematical and Computational Biology) Computational Methods of Feature Selection (Chapman & Hall/CRC Data Mining and Knowledge Discovery Series) The Kurzweil-Henstock Integral and Its Differential: A Unified Theory of

Integration on  $R$  and  $R^n$  (Chapman & Hall/CRC Pure and Applied Mathematics) Coding Theory and Cryptography: The Essentials, Second Edition (Chapman & Hall/CRC Pure and Applied Mathematics) Binary Polynomial Transforms and Non-Linear Digital Filters (Chapman & Hall/CRC Pure and Applied Mathematics) An Introduction to Multicomplex Spaces and Functions (Chapman & Hall/CRC Pure and Applied Mathematics) An Introduction to Partial Differential Equations with MATLAB (Chapman & Hall/CRC Applied Mathematics & Nonlinear Science) Computational Partial Differential Equations Using MATLAB (Chapman & Hall/CRC Applied Mathematics & Nonlinear Science) Graphics for Statistics and Data Analysis with R (Chapman & Hall/CRC Texts in Statistical Science) Image Processing and Acquisition using Python (Chapman & Hall/CRC Mathematical and Computational Imaging Sciences Series) Numerical Techniques for Direct and Large-Eddy Simulations (Chapman & Hall/CRC Numerical Analysis and Scientific Computing Series) Introduction to Modern Cryptography: Principles and Protocols (Chapman & Hall/CRC Cryptography and Network Security Series) Introduction to Modern Cryptography, Second Edition (Chapman & Hall/CRC Cryptography and Network Security Series) Introduction to Network Security (Chapman & Hall/CRC Computer and Information Science Series) Bayesian Designs for Phase I-II Clinical Trials (Chapman & Hall/CRC Biostatistics Series)

[Dmca](#)