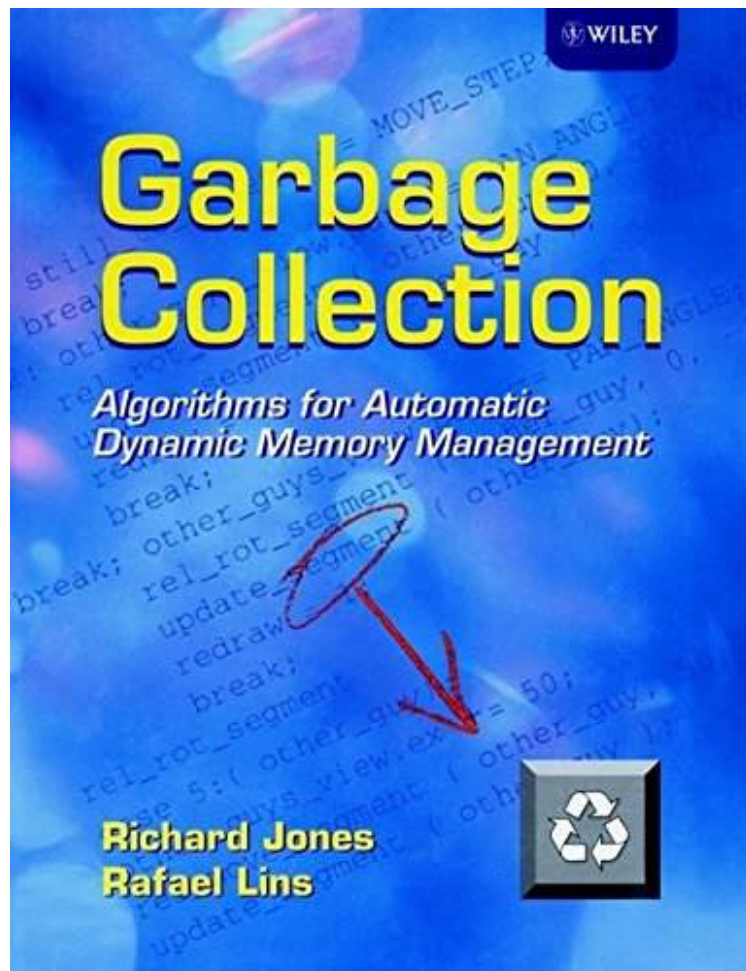


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# Garbage Collection: Algorithms for Automatic Dynamic Memory Management

*By Richard Jones, Rafael D Lins*  
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1 of 1 review helpful Excellent In Depth Discussion of GC Algorithms By Chrysanthemum Hyphus This is the most

thorough and readable tract I could have imagined on the complicated subject of GC It has an excellent introductory chapter then a survey chapter on the different algorithms then some in depth chapters on each algorithm and their many variants trade offs and histories all copiously referenced to scholarly literature Modern software places increasing reliance on dynamic memory allocation but its direct management is not only notoriously error prone Garbage collection eliminates many of these bugs This reference presents each of the most important algorithms in detail often with illustrations of its characteristic features and animations of its use From the Back Cover The memory storage requirements of complex programs are extremely difficult to manage correctly by hand A single error may lead to indeterminate and inexplicable program crashes Worse still failures are often unrepeatable and may surface o

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