the Garbage Collection Bibliography
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[Amsaleg et al., 1995b] Laurent Amsaleg, Michael Franklin, and Olivier Gruber. Efficient incremental garbage collection for client–server object database systems. In Twenty-first International Conference on Very Large Databases (VLDB95), Zurich, Switzerland, September 1995.


[Andreasson et al., 2002] Eva Andreasson, Frank Hoffmann, and Olof Lindholm. To collect or not to collect? machine learning for memory management. In JVM 2002 [JVM 20022002].


data objects. *ACM Transactions on Programming Languages and Systems*, 7(4):539–559, October
1985.

1983.


[Atkinson et al., 1989] Russ Atkinson, Alan Demers, Carl Hauser, Christian Jacobi, Peter Kessler,
322–329.

Workshops in Computing, Tarascon, Provence, France, 1995. Springer and British Computer So-
ciety.

A comparative evaluation of parallel garbage collectors. In *Fourteenth Annual Workshop on Lan-
guages and Compilers for Parallel Computing*, volume 2624 of *Lecture Notes in Computer Sci-

[Attardi and Flagella, 1984] Giuseppe Attardi and Tito Flagella. A customisable memory manage-

[Attardi and Flagella, 1994] Giuseppe Attardi and Tito Flagella. A customisable memory manage-
ment framework. Technical Report TR-94-010, International Computer Science Institute, Berke-


[Attardi et al., 1995] Giuseppe Attardi, Tito Flagella, and Pietro Iglio. Performance tuning in a cus-

[Attardi et al., 1998] Giuseppe Attardi, Tito Flagella, and Pietro Iglio. A customisable memory man-
1998.

[Auerbach et al., 2007a] Joshua Auerbach, David F. Bacon, Bob Blainey, Perry Cheng, Michael
Dawson, Mike Fulton, David Grove, Darren Hart, and Mark Stoodley. Design and implementa-
tion of a comprehensive real-time Java virtual machine. In *Proceedings of the 7th ACM & IEEE

[Auerbach et al., 2007b] Joshua Auerbach, David F. Bacon, Florian Bömers, and Perry Cheng. Real-
time music synthesis in Java using the Metronome garbage collector. In *Proceedings of the In-
ternational Computer Music Conference*, Lecture Notes in Computer Science, Copenhagen, Den-

[Auerbach et al., 2007c] Joshua Auerbach, David F. Bacon, Daniel T. Iercan, Christopher M. Kirsch,
V.T. Rajan, Harald Röck, , and Rainer Trummer. Java takes flight: Time-portable real-time pro-
gramming with Exotasks. In *Proceedings of ACM Conference on Languages, Compilers, and

[Auerbach et al., 2008] Joshua Auerbach, David F. Bacon, Perry Cheng, David Grove, Ben Biron,
Charlie Gracie, Bill McCloskey, Aleksandar Micic, and Ryan Sciamponaco. Tax-and-spend: De-
mocratic scheduling for real-time garbage collection. In *Proceedings of the 7th ACM Inter-


[Brecht et al., 2006] Tim Brecht, Eshrat Arjomandi, Chang Li, and Hang Pham. Controlling garbage collection and heap growth to reduce the execution time of Java applications. ACM Transactions on Programming Languages and Systems, 28(5), September 2006.


[Chang and Kuo, 2002] Li-Pin Chang and Tei-Wei Kuo. A real-time garbage collection mechanism for flash-memory storage systems in embedded systems. In RTCSA 2002 [RTCSA 20022002].


24


[Curial et al., 2008] Stephen Curial, Peng Zhao, Jose Nelson Amaral, Yaoqing Gao, Shimin Cui, Raul Silvera, and Roch Archambault. Memory pooling assisted data splitting (MPADS). In Jones and Blackburn [Jones and Blackburn2008], pages 101–110.


[Dickman and Wilson, 1997] Peter Dickman and Paul R. Wilson, editors. OOPSLA Workshop on Garbage Collection and Memory Management, October 1997.

[Dickman, 1991] Peter Dickman. Effective load balancing in a distributed object-support operating system. In Cabrera et al. [Cabrera et al.1991].


[Dillig et al., 2008] Isil Dillig, Thomas Dillig, Eran Yahav, and Satish Chandra. The CLOSER: Automating resource management in Java. In Jones and Blackburn [Jones and Blackburn2008], pages 1–10.


[Dor et al., 1998] Nurit Dor, Michael Rodeh, and Mooly Sagiv. Detecting memory errors via static pointer analysis. In PASTE98 [PASTE981998].


[Hicks, 1993] James Hicks. Experiences with compiler-directed storage reclamation. In Hughes [Hughes1993].


[Jones and Ryder, 2008] Richard Jones and Chris Ryder. A study of Java object demographics. In Jones and Blackburn [Jones and Blackburn2008], pages 121–130.


[Kurikara et al., 1990] Satoshi Kurikara, Mikio Inari, Norihisa Doi, Kazuki Yasumatsu, and Takemi Yamazaki. SPiCE collector: The run-time garbage collector for Smalltalk-80 programs translated into C. In Jul and Juul [Jul and Juul1990].


[Moss et al., 1993] Eliot Moss, Paul R. Wilson, and Benjamin Zorn, editors. OOPSLA Workshop on Garbage Collection in Object-Oriented Systems, October 1993.


89


Proceedings of the Tenth Annual Conference on Object-Oriented Programming, Systems, Languages, and Applications, ACM SIGPLAN Notices 30(10), Austin, TX, USA, October 1995.


[Phan et al., 2008] Quan Phan, Gerda Janssens, and Zoltan Somogyi. Runtime support for region-based memory management in Mercury. In Jones and Blackburn [Jones and Blackburn2008], pages 61–70.


[Piumarta et al., 1995] Ian Piumarta, Marc Shapiro, and Paulo Ferreira. Garbage collection in distributed object systems. In Workshop on Reliability and Scalability in Distributed Object Systems. OOPSLA’95. Austin, TX, October 1995.


[Pizlo et al., 2008a] Filip Pizlo, Erez Petrank, and Bjarne Steensgaard. Path specialization: Reducing phased execution overheads. In Jones and Blackburn [Jones and Blackburn2008], pages 81–90.


[Plainfosée and Shapiro, 1992] David Plainfosée and Marc Shapiro. A distributed GC in an object-support operating system. In Cabrera et al. [Cabrera et al.1992].


97


[Richer and Shapiro, 2001] Nicolas Richer and Marc Shapiro. The memory behaviour of the WWW, or the WWW considered as a persistent store. In Kirby et al. [Kirby et al.2001], pages 136–146.


[Sartor et al., 2008a] Jennifer B. Sartor, Martin Hirzel, and Kathryn S. McKinley. No bit left behind: Limits of heap data compression. In Jones and Blackburn [Jones and Blackburn2008], pages 111–120.


[SPIN, ] The SPIN operating system. A collection of papers available on the WWW.


[Spoonhower et al., 2006] Daniel Spoonhower, Joshua Auerbach, David F. Bacon, Perry Cheng, and David Grove. Eventrons: A safe programming construct for high-frequency hard real-time applications. In Schwartzbach and Ball [Schwartzbach and Ball 2006], pages 283–294.


[Tel and Mattern, 1991] Gerard Tel and Friedmann Mattern. The derivation of distributed termination detection algorithms from garbage collection schemes — (extended abstract). In Aarts et al. [Aarts and others, 1991].


[Torp-Smith et al., 2008] Noah Torp-Smith, Lars Birkedal, and John C. Reynolds. Local reasoning about a copying garbage collector. ACM Transactions on Programming Languages and Systems, 30(4), July 2008.


