

## Bibliografia

- [1] AGRAWAL, S.; CHAUDHURI, S. ; NARASAYYA, V.. **Automated selection of materialized views and indexes for sql databases.** In: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON VERY LARGE DATABASES (VLDB), p. 496–505, 2000.
- [2] BERNSTEIN, P.; BRODIE, M.; CERI, S.; DEWITT, D.; FRANKLIN, M.; GARCIA-MOLINA, H.; GRAY, J.; HELD, J.; HELLERSTEIN, J.; JAGADISH, H.; LESK, M.; MAIER, D.; NAUGHTON, J.; PIRAHESH, H.; STONEBRAKER, M. ; ULLMAN, J.. **The Asilomar report on database research.** ACM SIGMOD Record, 27(4):74–80, 1998.
- [3] BAILEY, J.; GEORGEFF, M.; KEMP, D.; KINNY, D. ; RAMAMOHANARAO, K.. **Active databases and agent systems - a comparison.** In: PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON RULES IN DATABASE SYSTEMS, LNCS 985, p. 342–356, 1995.
- [4] BIGUS, J. P.; HELLERSTEIN, J. L.; JAYRAM, T. S. ; SQUILLANTE, M. S.. **Auto tune: A generic agent for automated performance tuning.** In: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE AND EXHIBITION ON THE PRACTICAL APPLICATION OF INTELLIGENT AGENTS AND MULTI-AGENT SYSTEMS (PAAM), p. 33–52, 2000.
- [5] BROWN, K. P.; MEHTA, M.; CAREY, M. J. ; LIVNY, M.. **Towards automated performance tuning for complex workloads.** In: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON VERY LARGE DATABASES (VLDB), p. 72–84, 1994.
- [6] BOOCH, G.; RUMBAUGH, J. ; JACOBSON, I.. **UML: Guia do Usuário.** Campus, 2000.
- [7] CHOENNI, S.; BLANKEN, H. ; CHANG, T.. **On the selection of secondary indices in relational databases.** IEEE Data and Knowledge Engineering, 11(3):207–233, 1993.

- [8] COSTA, R. L. C.; LIFSCHITZ, S.. **Index self-tuning and agent-based databases.** In: PROCEEDINGS OF THE LATIN-AMERICAN CONFERENCE ON INFORMATICS (CLEI), p. 76, Abstracts Proceedings; 12 pp. CD-ROM Proceedings, 2002.
- [9] COSTA, R. L. C.; LIFSCHITZ, S. ; SALLES, M. A. V.. **Index self-tuning and agent-based databases.** CLEI Electronic Journal, 2003. Aceito para publicação.
- [10] CHAUDHURI, S.; NARASAYYA, V.. **An efficient, cost-driven index selection tool for microsoft sqlserver.** In: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON VERY LARGE DATABASES (VLDB), p. 146–155, 1997.
- [11] CHAUDHURI, S.; NARASAYYA, V.. **Autoadmin “what-if” index analysis utility.** In: PROCEEDINGS OF THE ACM SIGMOD INTERNATIONAL CONFERENCE ON MANAGEMENT OF DATA, p. 367–377, 1998.
- [12] CHAUDHURI, S.; NARASAYYA, V.. **Microsoft index tuning wizard for sql server 7.0.** In: PROCEEDINGS OF THE ACM SIGMOD INTERNATIONAL CONFERENCE ON MANAGEMENT OF DATA, p. 553–554, 1998.
- [13] CHAUDHURI, S.; NARASAYYA, V.. **Index merging.** In: PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON DATA ENGINEERING (ICDE), p. 296–303, 1999.
- [14] CLAMAGE, S.. **Mixing c and c++ code in the same program.** <http://developers.sun.com/tools/cc/articles/mixing.html>, acessado 10/06/2004.
- [15] COMER, D.. **The difficulty of optimum index selection.** ACM Transactions on Database Systems (TODS), 3(4):440–445, 1978.
- [16] COMER, D.. **The ubiquitous b-tree.** ACM Computing Surveys (CSUR), 11(2):121–137, 1979.
- [17] Cppunit. <http://cppunit.sourceforge.net>.
- [18] DIAO, Y.; ESKesen, F.; FROEHLICH, S.; HELLERSTEIN, J. L.; SPAHNOWER, L. ; SURENDRA, M.. **Generic, on-line optimization of multiple configuration parameters with application to a database server.** In: PROCEEDINGS OF THE IFIP CONFERENCE ON

DISTRIBUTED SYSTEMS OPERATIONS AND MANAGEMENT, LNCS 2867, p. 3–15, 2003.

- [19] DIAO, Y.; HELLERSTEIN, J. L.; PAREKH, S. ; BIGUS, J. P.. Managing web server performance with autotune agents. IBM Systems Journal, 42(1):136 – 149, 2003.
- [20] Doxygen. <http://www.doxygen.org>.
- [21] Electric fence. <http://perens.com/FreeSoftware/>.
- [22] ELNAFFAR, S.; MARTIN, P. ; HORMAN, R.. Automatically classifying database workloads. In: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON INFORMATION AND KNOWLEDGE MANAGEMENT (CIKM), p. 622–624, 2002.
- [23] ENGLERT, S.. Nonstop sql: scalability and availability for decision support. In: PROCEEDINGS OF THE ACM SIGMOD INTERNATIONAL CONFERENCE ON MANAGEMENT OF DATA, p. 491, 1994.
- [24] FRANK, M.; OMIECINSKI, E. ; NAVATHE, S.. Adaptive and automated index selection in rdbms. In: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON EXTENDING DATABASE TECHNOLOGY (EDBT), p. 277–292, 1992.
- [25] FINKELSTEIN, S.; SCHKOLNICK, M. ; TIBERIO, P.. Physical database design for relational databases. ACM Transactions on Database Systems (TODS), 13(1):91–128, 1988.
- [26] GAMMA, E.; HELM, R.; JOHNSON, R. ; VLISSIDES, J.. Design Patterns: Elements of Reusable Object-Oriented Software. Addison Wesley, 1994.
- [27] GAREY, M.; JOHNSON, D. S.. Computers and Intractability: A Guide to the Theory of NP-Completeness. W. H. Freeman & Company, 1979.
- [28] GARCIA-MOLINA, H.; ULLMAN, J. ; WIDOM, J.. Database System Implementation. Prentice-Hall, 2000.
- [29] Gnu gcc e gdb. <http://gcc.gnu.org>.
- [30] Gnu emacs. <http://www.gnu.org/software/emacs/emacs.html>.

- [31] HUHNS, M. N.; STEPHENS, L. M.. Multiagent Systems and Societies of Agents, chapter 2, p. 79–120. In Weiss [65], 1999.
- [32] HELLERSTEIN, J.; ZHANG, F. ; SHAHABUDDIN, P.. An approach to predictive detection for service management. In: PROCEEDINGS OF THE IFIP/IEEE INTERNATIONAL SYMPOSIUM ON INTEGRATED NETWORK MANAGEMENT (IM), p. 309–322, 1999.
- [33] HORN, P.. Autonomic computing: Ibm's perspective on the state of information technology, 2001. <http://www.research.ibm.com/autonomic/manifesto>, acessado em 11/01/2004.
- [34] Ibm db2 universal database. <http://www.ibm.com/db2>.
- [35] KENDALL, E.; MURALI KRISHNA, P. V.; PATHAK, C. ; SURESH, C.. A framework for agent systems. In: Fayad, M.; Schmidt, D. ; Johnson, R., editors, IMPLEMENTING APPLICATION FRAMEWORKS: OBJECT-ORIENTED FRAMEWORKS, p. 113–154. John Wiley & Sons, 1999.
- [36] LIFSCHITZ, S.; MILANÉS, A. Y. ; SALLES, M. A. V.. Estado da arte em auto-sintonia de sistemas de bancos de dados relacionais. Technical report, Departamento de Informática, Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio), 2004.
- [37] LOHMAN, G.; VALENTIN, G.; ZILIO, D.; ZULIANI, M. ; SKELLEY, A.. DB2 advisor: An optimizer smart enough to recommend its own indexes. In: PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON DATA ENGINEERING (ICDE), p. 101–110, 2000.
- [38] MOHAN, C.; NARANG, I.. Algorithms for creating indexes for very large tables without quiescing updates. In: PROCEEDINGS OF THE ACM SIGMOD INTERNATIONAL CONFERENCE ON MANAGEMENT OF DATA, p. 361–370, 1992.
- [39] MARTIN, P.; POWLEY, W.; LI, H. ; ROMANUFA, K.. Managing database server performance to meet QoS requirements in electronic commerce systems. International Journal on Digital Libraries, 3(4):316–324, 2002.
- [40] MACÊDO, J. A. F.. Um estudo de sgbds baseados em agentes. Master's thesis, Departamento de Informática, Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio), 2000.

- [41] Microsoft sql server. <http://www.microsoft.com/sqlserver>.
- [42] MILANÉS, A. Y.. **Uma abordagem para auto-sintonia global de sgbds usando agentes.** Master's thesis, Departamento de Informática, Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio), 2004.
- [43] Open source development labs (osdl). <http://www.osdl.org/>.
- [44] Open source development labs database test 2 (osdl-dbt-2). [http://www.osdl.org/lab\\_activities/kernel\\_testing/osdl\\_database\\_test\\_suite/osdl\\_dbt-2/](http://www.osdl.org/lab_activities/kernel_testing/osdl_database_test_suite/osdl_dbt-2/).
- [45] Oracle corporation. <http://www.oracle.com/>.
- [46] Postgresql. <http://www.postgresql.org>.
- [47] Postgresql global development group. <http://developer.postgresql.org>.
- [48] Red hat linux. <http://www.redhat.com>.
- [49] ROZEN, S.; SHASHA, D.. **A framework for automating physical database design.** In: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON VERY LARGE DATABASES (VLDB), p. 401–411, 1991.
- [50] RAMAKRISHNAN, R.. **Database Management Systems.** McGraw-Hill, 1998.
- [51] Rational rose. <http://www-306.ibm.com/software/rational>.
- [52] SELINGER, P. G.; ASTRAHAN, M. M.; CHAMBERLIN, D. D.; LORIE, R. A. ; PRICE, T. G.. **Access path selection in a relational database management system.** In: PROCEEDINGS OF THE ACM SIGMOD INTERNATIONAL CONFERENCE ON MANAGEMENT OF DATA, p. 23–34, 1979.
- [53] SHASHA, D.; BONNET, P.. **Database Tuning: Principles, Experiments and Troubleshooting Techniques.** Morgan Kaufmann, 2003.
- [54] SOCKUT, G. H.; BEAVIN, T. A. ; CHANG, C.-C.. **A method for on-line reorganization of a database.** IBM Systems Journal, 36(3):411–436, 1997.

- [55] SRINIVASAN, V.; CAREY, M. J.. Performance of on-line index construction algorithms. In: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON EXTENDING DATABASE TECHNOLOGY (EDBT), p. 293–309, 1992.
- [56] SILVA, V. T.; CHOREN, R. ; LUCENA, C. J. P.. Using the mas-ml to model a multi-agent system. In: SOFTWARE ENGINEERING FOR MULTI-AGENT SYSTEMS II, RESEARCH ISSUES AND PRACTICAL APPLICATIONS (SELMAS 2003), p. 129–148, 2004.
- [57] SOCKUT, G. H.; GOLDBERG, R. P.. Database reorganization - principles and practice. ACM Computing Surveys, 11(4):371–395, 1979.
- [58] SCHEUERMANN, P.; WEIKUM, G. ; ZABBACK, P.. Data partitioning and load balancing in parallel disk systems. The VLDB Journal, 7:48–66, 1998.
- [59] SHASHA, D.. Tuning databases for high performance. ACM Computing Surveys, 28(1):113–115, 1996.
- [60] Transaction processing performance council (tpc). [http://www\(tpc.org\)/](http://www(tpc.org)/).
- [61] Tpc benchmark c: Standard specification - revision 5.2. [http://www\(tpc.org/tpcc/spec/tpcc\\_current.pdf](http://www(tpc.org/tpcc/spec/tpcc_current.pdf)).
- [62] TANENBAUM, A. S.. Modern Operating Systems. Prentice-Hall, 1992.
- [63] Together. <http://www.togethersoft.com>.
- [64] WEIKUM, G.; MÖNKEBERG, A.; HASSE, C. ; ZABBACK, P.. Self-tuning database technology and information services: from wishful thinking to viable engineering. In: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON VERY LARGE DATABASES (VLDB), p. 20–31, 2002.
- [65] Weiss, G., editor. Multiagent Systems: A modern Approach to Distributed Artificial Intelligence. The MIT Press, Cambridge, MA, USA, 1999.
- [66] WOOLDRIDGE, M.. Intelligent Agents, chapter 1, p. 27–78. In Weiss [65], 1999.