Tentative Reading List

CS395T Mining and Monitoring Databases

Prof. Daniel P. Miranker

1.0 Topics still in need of papers.

This is your “opportunity” to introduce papers into the seminar

- I have a short paper “One hour to a Java Applet. We could use similar papers on html and perl.
- Distributed Query Optiimization.
- A good recent overview paper on data mining.

2.0 Architecture and Programming

1.CORBA architecture 2.1

2.“One hour to a Java Applet”, Datamation Magazine

3.0 Integration of Heterogeneous Databases

3.Y. Arens, C.Y. Chee, C-N. Hsu and C.A. Knoblock, “Retrieving and Integrating Data from Multiple Informaption Sources” to appear (maybe has already) Int. Jour. on Intelligent and Cooperative Information Systems.

4.?“Methods for Integrating Federated Databases”ACM Survey Arcicle

5.“The Tsimmis Heterogeneous Database Project” et.al Stanford TR

4.0 Data Mining - Knowledge Discovery

6. C.J.Matheus W.J.Frawley, G. Piatetsky-Shapiro. “Knowledge discovery in databases: An overview”. In Knowledge Discovery in Databases, pages 1--30. MIT Press, 1991.

7.Yoon, Jong P. and Kerschberg, Larry “A Framework for Knowledge Discovery and Evolution in Databases”, ISSE George Mason Univ Tech Report ISSE-TR-93-109.ps

5.0 Rules and Databases

5.1 Active-Databases

8.D.R.McCarthy and U.Dayal. The Architecture of an Active Data Base Management System. In Proceedings of the 1989 ACM SIGMOD International Conference on the Management of Data, pages 215-224, June 1989.

9.M.Stonebraker. The integration of rule systems and database systems. IEEE Trans. on Knowledge and Data Eng., 4-5:415-423, Oct. 1992.

10. J.C.Browne et.al. “Modularity in Rule-Based Programming”. Int. Jour. on Artificial Intelligence Tools, Vol. 4, Nos. 1 & 2, 1995, pp. 201-218

11. D.P. Miranker, D.Brant, B.J. Lofaso, and D.Gadbois. “On the Performance of Lazy Matching in Production Systems.” In Proceedings of the 1990 National Conference on Artificial Intelligence, pages 685--692. AAAI, July 1990.

12.D.A. Brant, T.Grose, B.Lofaso, and D.P. Miranker. “Effects of Database Size on Rule System Perfor mance:Five Case Studies”. In Proceedings of the 17th International Conference on Very Large Data Bases (VLDB), 1991

13. D.P. Miranker and B.J. Lofaso. “The Organization and Performance of a TREAT Based Production System Compiler”. IEEE Trans. on Knowledge and Data Engineering, pages 3--10, March 1991.

14. C.M.Kuo, D..P.Miranker and J.C. Browne. “On the Performance of the CREL System” Journal of Parallel and Distributed Computing, 13(4):424--441, Dec. 1991.

15. S. Correl and D.P. Miranker, “On Rules, Isloation and Modularity”, Proc. of the Int. Conf. on Information and Knowledge Management.

5.2 Deductive Database Systems

16. Ullman, “Beginners Guide to Recursive Query Processing”,

17. Chimenti, D. et.al., “The LDL System Prototype”, Tech-Report MCC, ACT-ST-342-89, 1989,

6.0 Query Processing

6.1 Object-Oriented Query Processing

18.C. Zaniolo, “The Representation and Deductive Retrieval of Complex Objects”, Proc. VLDB, 1985, pp 458-469

19.W.Kim M.Kifer and Y.Sagiv. Querying object-oriented databases. In Proceedings of the 1992 ACM SIGMOD International Conference on the Management of Data, pages 393-402, 1992.

20. H.M.Blanken H.J.Steenhagen, P.M.G.Apers and R.A deBy. From nested-loop to join qaueries in oodb. In Proceedings of the 20th International Conference on Very Large Data Bases (VLDB), pages 618-629, 1994.

21. .V. Samoladis and D.P. Miranker, “Loop Optimizations for Acycle Object-Oriented Queries”, unpublished manuscript.

22. Grant et.al, “Semantic Optimization of Object-Oriented Queries” presented at the workshop on Constraints and Databases held in conjunction with the conference on Contraint Programming 1996.