Abstract

With the development of databases in general and data warehouses in particular, it is now of a great importance to reduce the administration tasks of data warehouses. The materialization of views is one of the most important optimization techniques. The construction of a configuration of views optimizing the data warehouse is an NP-hard problem. On the other
hand, the algorithm called extremal optimization is used to solve complex problems. In this paper, we propose a new adapted extremal optimization (AEO) for the materialized views selection problem.

Reference

- H.Gupta and I.S.Mumick, “Selection of views to materialize under a maintenance cost constraint,” Proceedings of the 7th International Conference on Data

Index Terms

Computer Science Algorithms
**Key words**

Materialized views selection  
Data warehouses  
Extremal optimization and query's optimization