Abstract

Query optimization is a challenging task in database. Many different types of techniques are used to optimize queries. Heuristic Greedy, Iterative Improvement, and Ant Colony algorithms are being used for query optimization. Ant colony algorithms are used to find optimal solutions for different types of problems. In this paper, we modify Ant Colony algorithms for query optimization and will show the comparison execution time between Heuristic-based optimization, Ant Colony Optimization and Modified Ant Colony optimization algorithms. After implementation of said existing algorithms and modified Ant Colony optimization algorithms, we found that modified Ant colony algorithms take less computation time compared to others algorithms.

References

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Query Optimization using Modified Ant Colony Algorithm

Index Terms

Computer Science  Algorithms
Keywords

Query Optimization, Heuristic-based optimizers, Ant-Colony, Modified Ant Colony.