Abstract

Software testing is very important for ensuring software quality in organizations. In fact, the quality of test suite plays an important role for the success of software testing. Ant colony optimization (ACO) which is a part of Swarm Intelligence is used to settle optimization problem. This paper attempts to provide ideas of Test Case Selection and Prioritization which Ant Colony Optimization which can be helpful for the researchers who are working on software testing. There is a great expectation in the field of Swarm Intelligence as it always comes with a challenging thought. ACO is one of such promising approaches for its application in Software Testing.

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Index Terms
Keywords

Ant Colony Optimization  Coverage  Genetic algorithms  Simulated Annealing  Pheromone
Algorithms
Table
Regression Testing

Test Case Prioritization

Test Case Selection.