Abstract

This paper presents an analytical review of approaches used by different authors. Coverage information is very important for finding redundancy in test cases. Test redundancy detection reduces the costs of testing and maintenance of software. A redundant test case is a useless part of test suite and it increases the testing cost and test suite size. There are a lot of works
that proposed different approaches for test case redundancy detection. Some effective approaches have analysed and this study is very useful for future work in this direction. Some important factors like false positive error, fault detection effectiveness etc. have discussed.

Reference

- Y. A. Zuev, “A set-covering problem: The combinatorial-local approach and the branch and bound method,” U. S. S. R. Computational Mathematics and Mathematical Physics,
Analytical Review of Test Redundancy Detection Techniques


Index Terms

Computer Science

Software Engineering

Key words

Test case redundancy        test minimization        false
positive error

fault detection effectiveness

coverage information