Resource Allocation to Software Modules in Software Testing with Imperfect-debugging SRGM

Abstract

Resource control and resource maintenance during the software testing is one of the finest optimization problems. During the software testing many of the resources like time, effort and budget were consumed. The main aim of the manager is allocate the resources in a constrained manner such that the effort can be optimally allocated and overall budget is minimized. In this
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paper we proposed a imperfect debugging SRGM during testing and resource allocation is done based on optimizing the effort and reliability. An experimental result shows the proposed model well fitted for software testing.

Reference


Index Terms

Computer Science
Software Engineering

Key words

Resource allocation
Imperfect-debugging SRGM
Lagrange multipliers
software testing