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(It is based on my Masters' thesis)

A Refinement of the Category-Partition Method of Testing

Abstract

The migration from conventional to object-oriented programming, is far from a smooth process owing to the fact that developers have to considerably modify the modus operandi in the new environment. In particular, reliability assurance in the new circumstances poses difficult challenges. Developers need understanding of effective ways to test the software. This paper explores the possibilities of testing object-oriented software using a method which has till now been used for testing conventional software. This method "Category-Partition Testing", if considered in its crude original form leaves a considerable amount of work especially that related to generating test-cases at the discretion of the tester. In this paper we have presented a refinement of the Category-Partition method, which simplifies the process greatly and is particularly effective for object-oriented software.