Automated Test Repair

Description

In regression testing, software tests usually provide passing or failing signals for developers to determine the effectiveness of their code changes. However, broken tests [1] that contain errors themselves or flaky tests [2] that exhibit an indeterministic outcome can mislead developers and hinder the debugging process. To alleviate this problem, many automated test repair techniques have been developed.

The student is to examine and to discuss the current state of art of the automated test repair techniques.

References


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