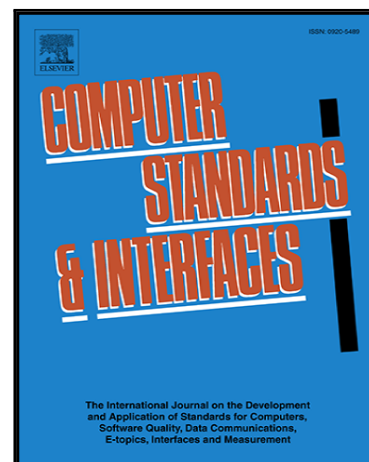


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Scaling Modified Condition / Decision Coverage using Distributed
Concolic Testing for Java programs

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Highlights

- NOJAMT is a proposed tool to achieve higher Modified Condition/Decision Coverage that shows the betterment of the existing concolic testing technique.
- JPCT, and JEXNCT are code transformation techniques developed previously, which are used to scale MC/DC.
- DRCT is a hybridization of JPCT and JEXNCT to improve MC/DC.
- LCT (Java version) has been used to generate test cases in distributed environment.
- JCA 2.0 is a tool to measure MC/DC, after executing test cases generated along with the original Java program.
- Experimental study is performed for forty-five Java programs.

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