Automated Support for State-Based Testing

Ilona BLUEMKE

Warsaw University of Technology, Institute of Computer Science
ul. Nowowiejska 15/17, 00-665 Warsaw, Poland
e-mail: I.Bluemke@ii.pw.edu.pl

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Abstract. In this paper the object-oriented software testing environment (TOSTER) is presented. This environment supports state-based testing of object programs. TOSTER extracts information from two commercial CASE tools – Paradigm Plus and Select Enterprise and supports test generation for C++ and Java classes. In TOSTER the state vector testing method is used. The state vector method and its implementation is briefly described. A simple example of testing in this environment is also given.

Key words: object-oriented testing, CASE