Abstract

There are many recurring patterns of classes which exist in several object oriented software as an experience of developers. Design Pattern Mining is an important part of many solutions to Software Reuse practices. Design pattern instances are highly important and useful for program understanding and software maintenance. Hence an automatic and reliable design pattern mining capability is required. Here we are proposing a new method for design pattern detection based on Boolean functions.

References

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Design Pattern Mining by Product of Sum (POS) Expression for Graphs

Proceedings of the 23rd Annual ACM, Symposium on Applied Computing (SAC), pages 765-769, Ceará, Brazil, March.


Index Terms

Computer Science
Applied Mathematics

Keywords
Design pattern    UML    Boolean function    POS form.