

Multi-Paradigm Metric and its Applicability on JAVA Projects

Misra, S (Misra, Sanjay)^[1]; Cafer, F (Cafer, Ferid)^[2]; Akman, I (Akman, Ibahim)^[1]; Fernandez-Sanz, L (Fernandez-Sanz, Luis)^[3]

Abstract

JAVA is one of the favorite languages amongst software developers. However, the numbers of specific software metrics to evaluate the JAVA code are limited. In this paper, we evaluate the applicability of a recently developed multi paradigm metric to JAVA projects. The experimentations show that the Multi paradigm metric is an effective measure for estimating the complexity of the JAVA code/projects, and therefore it can be used for controlling the quality of the projects. We have also evaluated the multi-paradigm metric against the principles of measurement theory.