Abstract

Object oriented development has proved its worth in today’s system because its design and development is better, reliable and easier to access than the traditional methodologies. Due to updated requirements and lack of documentation in old systems has provided a motivation to revamp the systems. Rebuilding or redesigning the same system is highly expensive. To overcome this problem reverse engineering of the system is used as most suitable alternative. Field of reverse engineering is expanding its horizon day by day; it requires reusability not only at code level but also at higher level which can measure the analysis results and original system. Reverse engineering, strategy has been developed to analyse and modeling the OO files by designing the translator. It models and measures the OO by using traditional metrics and new encapsulation metrics (Public Factor (PuF) & Private Factor (PrF)) essential for developing the good software. In this work we tried to refine metrics especially for
object-oriented programming and set of these metrics has been defined.

Reference


Index Terms

Computer Science Programming Languages

Key words

Static analysis

Public Factor

Private Factor

AHF

MHF