

软件过程技术

基于最小置信度和评价分析的软件质量模糊综合评价改进方案

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摘要: 阐述了软件工程中软件质量评价的重要性, 以及作为评价方法的软件质量模糊综合评价的实现过程; 指出现行软件质量模糊综合评价过程中的不足; 提出了以最小置信度为隶属准则, 以基于量分权重和满意度的评价分析为分析手段来指导软件质量评价的新思想; 给出了基于最小置信度与评价分析相结合的软件质量模糊综合评价改进及实现方案。最后通过实例验证了该方案的合理性与有效性。

关键词: 软件质量 最小置信度 评价分析 量分权重 software quality minimum confidence evaluation analysis quantified weight

Improved scheme for fuzzy integrated evaluation of software quality based on minimum confidence and evaluation analysis

Abstract: The importance of software quality evaluation in software engineering and the realizing process of fuzzy integrated evaluation as the software quality evaluation method were elaborated. The insufficiency in current fuzzy integrated evaluation process was pointed out. A new idea to guide software quality evaluation was proposed, which used minimum confidence as the membership rule, and used evaluation analysis, based on the quantified weight and satisfaction, as the analysis approach. Based on the minimum confidence and the evaluation analysis, an improving and realizing scheme for the fuzzy integrated evaluation of software quality was given. Finally, the rationality and validity of this scheme were verified through real case.

Keywords:

收稿日期 2009-03-18 修回日期 2009-05-10 网络版发布日期 2009-09-01

DOI:

基金项目:

四川省科技厅科技支撑项目资助(2008GZ0211); 四川省教育厅科研项目资助(07ZC058)

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