

博士论坛

六西格玛在软件过程度量中应用研究综述

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摘要 现有软件过程度量的标准模型一般只提出如何进行软件过程管理以及应该达到什么样的标准, 但没有对客户怎样做, 使用哪些方法可以达到这些标准进行具体的阐述。而六西格玛改进提供了一套持续改进现有过程的流程、方法和工具; 六西格玛设计是控制产品设计质量突破“五西格玛墙”的有力工具, 它更接近于企业的底层经营流程。因而, 针对软件企业的自身特点, 结合六西格玛, 解决软件质量的控制问题, 生产出高质量的产品, 获得竞争优势, 具有十分重要的意义。为此进行了相关文献的综述研究。

关键词 [软件过程度量](#) [六西格玛改进](#) [六西格玛设计](#)

分类号

六西格玛在软件过程度量中应用研究综述

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Abstract

The existing standard model of software process measurement generally only proposes how to implement the software process management as well as what kind of standard should be achieved but hasn't done specific descriptions on how customer should do and which method they can use to achieve these standards. But six sigma improvement provides a set of flow, methods and tools to improve the existing procedure continuously. Six sigma design is a powerful tool to control the quality of product design breakthrough "Five Sigma Wall", which approaches to the bottom of the enterprise's management flow. Thus, in view of the software enterprise's own characteristic, combining six sigma to solve the control problem of software quality, produce the high grade product, and obtain competitive advantages has the extremely vital significance. This article has conducted the correlation literature survey research for this.

Key words [software process measurement](#) [six sigma improvement](#) [six sigma design](#)

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