

A FORMAL ANALYSIS OF WHITEBOX TESTING

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Abstract

Within the software testing area there are two preponderant testing methodologies: black-box and white-box. This paper seeks to explore the pros and cons of white-box testing approaches and to identify how this approach should be used to ensure quality applications are delivered to market. In the end, this paper concludes that while black-box testing has had its drawbacks in the past, innovative approaches to white-box testing make it the likely choice to deal with the ever increasing complexity of applications and delivers lower Total Cost of Ownership (TCO) and a better Return on Investment (ROI) to organizations

Keywords: White box testing, Code analysis Software Testing, Product analysis