

Software Development and Quality Problems and Solutions by TRIZ

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Abstract

Computer software is a collection of computer programs or set of programs, procedures, algorithms and its documentation and became a part of daily life. Software performs the function of the program it implements, either by directly providing instructions to the computer hardware or by serving as input to another piece of software. Now a day's more and more software problems are caused trial-and-error programming. Solving the problems of software seems to be as an art and this art is a decent business for big software companies that provide technical support subscriptions so you can debug their products for them. Over the last few years, I found many ways to solve the Computer Science & Information Technology problems by TRIZ. Software quality management is also a part of Computer Science & Information Technology or Software Engineering; even I noticed, we can solve the Software Engineering problem also. It has been desired for a long time to make TRIZ applicable to the issues related to software quality applications and software-based technology systems. How well software is designed, measured by Software quality called quality of design, and software conformance to that design, called quality of conformance. In this paper, we show the structure of TRIZ, examine the 40 principles of TRIZ and later try to solve the software quality problem of software engineering with the help of TRIZ.

Keyword : TRIZ; Software Quality; Software Engineering, quality of conformance; Information Technology problems, quality of design