Automatic debugging using comparable approaches

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Abstract. Context, Problematic, Solution
Astor is a automatic, multidisciplinary testing and repair library for Java. It contains three different modi, GenProg, Kali and MutRepair. With focussing on the GenProg modus we found out that Astor's modus it may have a problem with enums, static variables that do not change their state. We ran Astor in its original version and a bug fixed version on Dataset4J, a set of real-life bugs in Java, and we will compare both results.
RESULTS -

1 Introduction

related

2 Background

Kommt alles das rein, was man braucht, um das Projekt zu verstehen.

Our tool of choice is Astor a "publicly available automatic software repair tool" for Java. Astor uses three different approaches, GenProg, Kali and MutRepair, which can be compared as well.

Fault Localisation Repair Validation Automatic Repair GenProg Kali MutRepair

if statement nehmen und an richtige stelle einfÃ¼gen, was er nicht macht warum? varianz werden ausgegeben tool lÃ¶scht statements [2]

3 Evaluation

4 Solution and Evaluation Description

5 Discussion

6 Related Work

7 Conclusions

These are my conclusions

Dies ist ein ganz kurzer Beispieltext [1]

8 References

References

[1] Eclipse Foundation. AspectJ – homepage, 2007. URL `http://www.eclipse.org/aspectj/`. Last visited November 14, 2007.

[2] A. Salam. Weak and electromagnetic interactions. In N. Svartholm, editor, *Elementary particle theory*, pages 367–377. Almquist & Wiksell.