

## Accepted Manuscript

Exploring the Usefulness of Unlabelled Test Cases in Software Fault Localization

Xiao-Yi Zhang, Zheng Zheng, Kai-Yuan Cai

PII: S0164-1212(17)30158-9  
DOI: [10.1016/j.jss.2017.07.027](https://doi.org/10.1016/j.jss.2017.07.027)  
Reference: JSS 10010



To appear in: *The Journal of Systems & Software*

Received date: 7 August 2016  
Revised date: 12 July 2017  
Accepted date: 18 July 2017

Please cite this article as: Xiao-Yi Zhang, Zheng Zheng, Kai-Yuan Cai, Exploring the Usefulness of Unlabelled Test Cases in Software Fault Localization, *The Journal of Systems & Software* (2017), doi: [10.1016/j.jss.2017.07.027](https://doi.org/10.1016/j.jss.2017.07.027)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- The usefulness of unlabelled test cases in fault localization is explored.
- An approach using test classification is proposed to utilize unlabelled test cases.
- A classifier utilizing the domain knowledge of fault localization is designed.
- Experiments are conducted to demonstrate the usefulness of our approach.

Download English Version:

<https://daneshyari.com/en/article/6885424>

Download Persian Version:

<https://daneshyari.com/article/6885424>

[Daneshyari.com](https://daneshyari.com)