Accepted Manuscript

Fuzzy temporal fault tree analysis of dynamic systems

Sohag Kabir, Martin Walker, Yiannis Papadopoulos, Erich Rüde, Peter Securius

PII: S0888-613X(16)30074-3

DOI: http://dx.doi.org/10.1016/j.ijar.2016.05.006

Reference: IJA 7904

To appear in: International Journal of Approximate Reasoning

Received date: 2 November 2015 Revised date: 31 May 2016 Accepted date: 31 May 2016



Please cite this article in press as: S. Kabir et al., Fuzzy temporal fault tree analysis of dynamic systems, *Int. J. Approx. Reason.* (2016), http://dx.doi.org/10.1016/j.ijar.2016.05.006

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

- Lack of statistical data poses a problem when performing dependability analysis.
 The use of fuzzy numbers is a potential solution to this.
 We propose a method for the quantification of dynamic systems with uncertain data.
- The proposed approach is illustrated by a maritime case study.

Download English Version:

https://daneshyari.com/en/article/6858931

Download Persian Version:

https://daneshyari.com/article/6858931

<u>Daneshyari.com</u>