Accepted Manuscript

Integrating Entropy Theory and Cospanning Tree Technique for Redundancy Analysis of Water Distribution Networks

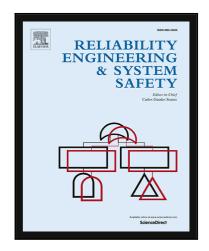
Seyed Ashkan Zarghami, Indra Gunawan, Frank Schultmann

PII: S0951-8320(17)31167-5 DOI: 10.1016/j.ress.2018.04.003

Reference: RESS 6122

To appear in: Reliability Engineering and System Safety

Received date: 29 September 2017
Revised date: 16 March 2018
Accepted date: 9 April 2018



Please cite this article as: Seyed Ashkan Zarghami, Indra Gunawan, Frank Schultmann, Integrating Entropy Theory and Cospanning Tree Technique for Redundancy Analysis of Water Distribution Networks, *Reliability Engineering and System Safety* (2018), doi: 10.1016/j.ress.2018.04.003

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.

ACCEPTED MANUSCRIPT

Highlights:

- The proposed method embraces the topological characteristics of WDNs
- CEB gives more meaningful indication of the redundancy concept
- Informational entropy can be used as a measure of the overall redundancy
- Superiority of the proposed index over the conventional redundancy metrics



Download English Version:

https://daneshyari.com/en/article/7195134

Download Persian Version:

https://daneshyari.com/article/7195134

<u>Daneshyari.com</u>