Signature Reliability Assessment of Network System by using Universal Generating Function

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ABSTRACT

In this paper, authors deal with a multi-state system having more than six network which is connected in series and parallel manners. An algorithm also given in the paper for evaluating the system reliability. In this paper authors compute the structure function of network system, signature, tail signature, cost and mean time to failure with the help of universal generating function technique. An example also illustrates of the proposed method at the end of paper.

Keywords: Network System; signature; Tail Signature

How to Cite

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