Review of: "A Methodological Contribution to Efficient Dynamic Assessment of Reliability Using Satisfiability Approach"

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Potential competing interests: No potential competing interests to declare.

Decision: Minor Revision.

Comments: The authors of this exceptional paper have proposed an innovative computational method to evaluate reliability based on fault trees. Their brilliantly explained and proven method simplifies understanding complex statements using relevant examples. The paper is sufficiently innovative and draws from up-to-date references. If considered, the following comments could improve an already impressive article.

1. Introduction: Reliability is a crucial aspect of any information but requires a reference to the source. Unfortunately, many presentations of material are arbitrary and need more substantiation for their purpose. In this article, you must tackle this issue head-on by analyzing it and explaining why it must be addressed.

2) The paper focuses on the theoretical aspect and neglects the applied aspect, as the applied examples are very few. It is preferable to solve examples of the reliability of networks and engineering systems and highlight the results in a table to demonstrate the strength and effectiveness of this method in general.

3) It is preferable to compare with previous traditional methods to demonstrate the importance of the method.

4) To enhance the quality of your research paper, consider including a "Discussion" section just before the conclusion. This section would allow you to provide a thorough analysis of the effectiveness of your proposed method. Additionally, you should compare and contrast your model with other existing models while explaining the unique features that set your work apart from previous research. Please ensure that you avoid any spelling, grammar, and punctuation errors in your paper.

5) Section five, "Recursive calculus of reliability polynomial," needs expanded examples

6) The authors should ensure the references are relevant to the provided information.