

Accepted Manuscript

Traffic Accident Modelling via Self-Exciting Point Processes

Zhongping Li , Lirong Cui , Jianhui Chen

PII: S0951-8320(18)30107-8
DOI: <https://doi.org/10.1016/j.ress.2018.07.035>
Reference: RESS 6234



To appear in: *Reliability Engineering and System Safety*

Received date: 27 January 2018
Revised date: 21 June 2018
Accepted date: 27 July 2018

Please cite this article as: Zhongping Li , Lirong Cui , Jianhui Chen , Traffic Accident Modelling via Self-Exciting Point Processes, *Reliability Engineering and System Safety* (2018), doi: <https://doi.org/10.1016/j.ress.2018.07.035>

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:

- A traffic accident model based on self-exciting point processes is proposed.
- The stationary condition, reliability and safety analysis under a traffic model are investigated.
- The related probability and characteristics are presented by the simulation methods.
- The MLEs for the parameters in a traffic accident model for two data situations are given.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7195075>

Download Persian Version:

<https://daneshyari.com/article/7195075>

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