

## Accepted Manuscript

Analysis of the reliability and the maintenance cost for finite life cycle systems subject to degradation and shocks

N.C. Caballé, I.T. Castro

PII: S0307-904X(17)30511-5  
DOI: [10.1016/j.apm.2017.08.002](https://doi.org/10.1016/j.apm.2017.08.002)  
Reference: APM 11913



To appear in: *Applied Mathematical Modelling*

Received date: 29 November 2016  
Revised date: 26 July 2017  
Accepted date: 3 August 2017

Please cite this article as: N.C. Caballé, I.T. Castro, Analysis of the reliability and the maintenance cost for finite life cycle systems subject to degradation and shocks, *Applied Mathematical Modelling* (2017), doi: [10.1016/j.apm.2017.08.002](https://doi.org/10.1016/j.apm.2017.08.002)

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**

- Analysis of the maintenance cost in a degradation-threshold-shock model for finite life cycle systems.
- Modeling of compound availability measures for a degradation-threshold shock model.
- Development of recursive methods to assess the maintenance cost and the availability measures
- Implementation of the recursive method to solve a practical case

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/5470756>

Download Persian Version:

<https://daneshyari.com/article/5470756>

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