

Accepted Manuscript

Optimal control analysis of a tuberculosis model

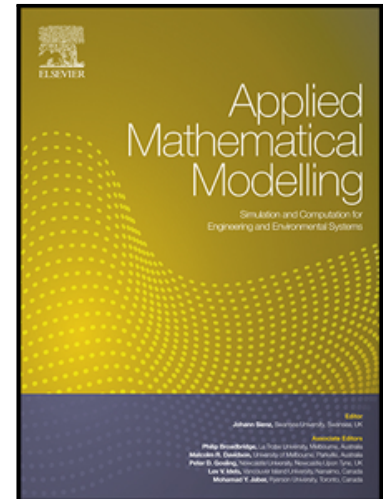
Da-peng Gao, Nan-jing Huang

PII: S0307-904X(17)30765-5
DOI: [10.1016/j.apm.2017.12.027](https://doi.org/10.1016/j.apm.2017.12.027)
Reference: APM 12108

To appear in: *Applied Mathematical Modelling*

Received date: 26 April 2017
Revised date: 16 October 2017
Accepted date: 19 December 2017

Please cite this article as: Da-peng Gao, Nan-jing Huang, Optimal control analysis of a tuberculosis model, *Applied Mathematical Modelling* (2017), doi: [10.1016/j.apm.2017.12.027](https://doi.org/10.1016/j.apm.2017.12.027)



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 new TB model with the 4-order cost function is introduced and investigated.
- The method for the proof of uniqueness of optimal control for the model is new.
- The numerical results show that the model considered in this paper are effective.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8051698>

Download Persian Version:

<https://daneshyari.com/article/8051698>

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