

Accepted Manuscript

Optimal Revenue Management in Two Class Pre-emptive Delay Dependent Markovian Queues

Manu K. Gupta, N. Hemachandra, J. Venkateswaran

PII: S0307-904X(16)30621-7
DOI: [10.1016/j.apm.2016.11.016](https://doi.org/10.1016/j.apm.2016.11.016)
Reference: APM 11442



To appear in: *Applied Mathematical Modelling*

Received date: 21 February 2015
Revised date: 24 October 2016
Accepted date: 14 November 2016

Please cite this article as: Manu K. Gupta, N. Hemachandra, J. Venkateswaran, Optimal Revenue Management in Two Class Pre-emptive Delay Dependent Markovian Queues, *Applied Mathematical Modelling* (2016), doi: [10.1016/j.apm.2016.11.016](https://doi.org/10.1016/j.apm.2016.11.016)

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

- Problem of server surplus capacity with pre-emptive scheduling is discussed.
- A finite step algorithm is proposed to obtain global optimal parameters.
- A game theoretic interpretation of the pricing model is presented.
- A comparative study under pre-emptive and non pre-emptive scheduling is presented.
- A service level range where pre-emptive policy generates more revenue is identified.

Download English Version:

<https://daneshyari.com/en/article/5471177>

Download Persian Version:

<https://daneshyari.com/article/5471177>

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