

[Computers and Mathematics with Applications](#)
Volume 61, Issue 4, February 2011, Pages 797-808

A heuristic
approach

for a scheduling problem with periodic maintenance and sequence-
dependent setup times (Article) ([Open Access](#))

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Abstract

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In this paper we study a problem of sequencing jobs in a machine with programmed preventive maintenance and sequence-dependent setup times. To the authors' knowledge, this problem has not been treated as such in the operations research literature. Computational experiments show that it is very hard to solve the problem by exact methods. Therefore, the contribution of this paper is to design and implement a solution approach based on metaheuristic procedures. The proposed method finds high quality solutions in very short computational times. © 2010 Elsevier Ltd. All rights reserved.

SciVal Topic Prominence

Topic: [Scheduling](#) | [Preventive maintenance](#) | [maintenance scheduling](#)

Prominence percentile: 88.068

Author keywords

[Maintenance](#) [Metaheuristics](#) [Sequence-dependent setup](#) [Single machine scheduling](#)

Indexed keywords

Engineering
uncontrolled terms

[Computational experiment](#) [Computational time](#) [Exact methods](#) [Heuristic approach](#)
[High-quality solutions](#) [Metaheuristic](#) [Metaheuristics](#) [Periodic maintenance](#)
[Scheduling problem](#) [Sequence-dependent setup](#) [Sequence-dependent setup time](#)
[Single machine scheduling](#) [Solution approach](#)

Engineering
controlled terms:

[Heuristic algorithms](#) [Heuristic methods](#) [Machinery](#) [Problem solving](#) [Scheduling](#)

Engineering main heading:

Preventive maintenance

Funding details

Funding sponsor	Funding number	Acronym
National Research Council of Science and Technology	61903,61343	
Ministry of Education and Science	BU008A10-2	
Federación Española de Enfermedades Raras	ECO2008-06159/ECON,CAT128	FEDER

Funding text

This work was partially supported by the Mexican National Council of Science and Technology (grants 61903 and 61343); by the Spanish Ministry of Education and Science and FEDER funds (ECO2008-06159/ECON); by the Research Chair in Industrial Engineering of Tecnológico de Monterrey (ITESM Research Fund CAT128) , and by the Regional Government of Castilla y León (Project BU008A10-2). These supports are gratefully acknowledged.

ISSN: 08981221

CODEN: CMAPD

Source Type: Journal

Original language: English

DOI: 10.1016/j.camwa.2010.12.028

Document Type: Article