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Online Scheduling in Manufacturing
2013, pp 15-38

Outline of Scheduling

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Abstract

At the first, the present chapter overviews the framework of a wide variety of scheduling methods, and thereby we can expect to become able to grasp the trends and perspectives in the researches on scheduling. Secondly, we observe the classification of models related to scheduling decisions. The well known classification may be *deterministic* scheduling versus *stochastic* scheduling, or *static* scheduling versus *dynamic* scheduling. In addition, we also consider a classification by *online* scheduling versus *offline* scheduling to clarify how we can discuss the online scheduling within the framework of scheduling problems. Finally, we summarize various scheduling models based on the famous triplet $\alpha|\beta|\gamma$, i.e. manufacturing environments (α), restrictions and constraints (β), and the performance measures (γ).



Within this Chapter

1. Overview of Frameworks and Methods
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3. Generic Models for Scheduling

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About this Chapter

Title

Outline of Scheduling

Book Title

Online Scheduling in Manufacturing

Book Subtitle

A Cumulative Delay Approach

Pages

pp 15-38

Copyright

2013

DOI

10.1007/978-1-4471-4561-5_2

Print ISBN

978-1-4471-4560-8

Online ISBN

978-1-4471-4561-5

Publisher

Springer London

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Springer-Verlag London

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Authors

- Haruhiko Suwa ⁽¹⁾
- Hiroaki Sandoh ⁽²⁾

Author Affiliations

- 1. Department of Mechanical Engineering, Setsunan University, 17-8, Ikedanaka-machi, Neyagawa, Osaka, 572-8508, Japan
- 2. Graduate School of Economics, Osaka University, Machikaneyama 1-7, Toyonaka, Osaka, 560-0043, Japan

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