

Steenken, Dirk; Voß, Stefan; Stahlbock, Robert

Container terminal operation and operations research – a classification and literature review. (English) [Zbl 1160.90322](#)
OR Spectrum 26, No. 1, 3-49 (2004).

Summary: In the last four decades the container as an essential part of a unit-load-concept has achieved undoubted importance in international sea freight transportation. With ever increasing containerization the number of seaport container terminals and competition among them have become quite remarkable. Operations are nowadays unthinkable without effective and efficient use of information technology as well as appropriate optimization (operations research) methods. In this paper we describe and classify the main logistics processes and operations in container terminals and present a survey of methods for their optimization.

MSC:

- 90B06 Transportation, logistics and supply chain management
- 90-02 Research exposition (monographs, survey articles) pertaining to operations research and mathematical programming
- 90C90 Applications of mathematical programming

Cited in **1** Review
Cited in **117** Documents

Keywords:

Container terminal; Logistics; Planning; Optimization; Heuristics; Simulation

Full Text: [DOI](#)