

MODELS AND METHODS FOR EFFICIENT OPERATIONS IN PORT CONTAINER TERMINALS

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ABSTRACT

Because container vessels spend a large portion of transportation time in ports, it is essential to improve the productivity of various handling activities in port container terminals. Also, because port construction requires a large amount of investment, it is important to efficiently utilize the internal resources of container terminals. This presentation introduces various operations in container terminals and decision-making problems that require support by scientific methods. Models and methods in previous researches are reviewed and classified according to their characteristics.

Key Words: *Container Terminal, Port Operation, Productivity*