

عنوان مقاله:

A dynamic mathematical programming for supplier selection-order allocation

محل انتشار:

دهمین کنفرانس بین المللی مهندسی صنایع (سال: 1392)

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خلاصه مقاله:

Performance evaluation of the supplying firms is being recognized as one of the critical indicators. In the last two decades, several studies have been conducted on the issue that most of them have used of Multi Criteria Decision Making (MCDM) methods. The purpose of this study is investigate the applicability of the numerous measures and metrics in a multi-objective optimization problem of supply chain network design with the aim of management in allocating orders by coordinating production lines to satisfy customers demand. This work presents a dynamic non-linear programming model that examines the important aspects for the strategic planning of the manufacturing in supply chain (SC). The effectiveness of the configured network is illustrated using a sample, following which an exact method is used to solve this multi-objective problem and confirm the validity of the model, and finally the results will be discussed and analyzed.

کلمات کلیدی:

supplier selection; order allocation; multi-objective optimization; dynamic non-linear programming

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