

عنوان مقاله:

Optimization for Concurrent Product Design and Supply Chain Planning

محل انتشار:

اولین کنفرانس بین المللی و هفتمین کنفرانس ملی مهندسی ساخت و تولید (سال: 1384)

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خلاصه مقاله:

This paper discusses a broad concept of concurrent design in which part supply, production system, logistics and distribution network are taken into consideration as early as product design and Bill-of-Material are introduced. Conventionally, concurrent design implies the combined product and process design. With the increase of outsourcing, most parts of a product are made outside by suppliers located at different regions of the world. The efficiency of supply chains, therefore, becomes more critical. In this paper we present a system that will enable a designer to consider trade-offs of different product configurations in terms of supply-chainwide cost.

کلمات کلیدی:

Optimization, Simulation, Supply Chain, Concurrent Design

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