

عنوان مقاله:

Cost-Oriented U-Shaped Mixed-Model Assembly Line Balancing and Sequencing

محل انتشار:

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خلاصه مقاله:

In this article, U-shaped, mixed-model, synchronous lines with stochastic tasktimes are discussed in a cost-oriented perspective. The flexibility of these lines to satisfy diverse customers' expectations has made it a commonly used assembly line type. Because of the effect of sequencing in station workloads and, consequently, the duration-dependant costs, simultaneous consideration of line-balancing and model-sequencing is an essential approach to design an optimal line. The objective is to minimize the wage, machinery and setup costs, and the costs of establishing stations

کلمات کلیدی:

Mixed-Model U-Shaped Line, Line Balancing and Sequencing, Cost-Oriented Production Planning, Simulated Annealing Algorithm

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