عنوان مقاله:

Optimal Control of a Non-stationary Batch Service Production System

محل انتشار:

شانزدهمین کنفرانس بین المللی مهندسی صنایع (سال: 1398)

تعداد صفحات اصل مقاله: 7

نویسندگان:

Helia Yousefnejad - *Department of Industrial Engineering, Alzahra University*;

Mohammad Ali Saniee Monfared - *Department of Industrial Engineering, Alzahra University*;

خلاصه مقاله:

In this paper, an optimal control problem in a batch service queuing process is investigated, considering random order arrivals and random processing times. This paper aims at calculating the optimal batch size to make a balance between set up and delay costs. Kalman filter is applied to estimate the variable optimal control limit threshold, and the results are compared with the previously studied exponential filter based approach [1].

کلمات کلیدی:

Manufacturing Process, Production Systems, Batch Service, Optimal Control, Kalman Filter

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/1034834