

[DOWNLOAD](#)

A Multiclass Hybrid Production Center in Heavy Traffic (Classic Reprint)

By Vin Nguyen

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Multiclass Hybrid Production Center in Heavy Traffic This paper presents an analysis of a hybrid production system that makes multiple types of products, some of which are produced to inventory (make-to-stock), while others are produced in response to actual customer demands (make-to-order). We develop a procedure for performance analysis of the production system depicted in Figure 1. In particular, we envision the production process as a single aggregate operation with first-in-first-out (FIFO) service discipline. Production of make-to-stock items follows a policy of one-for-one replenishment. That is, a base stock level is specified for each type of products; demand is filled from finished-goods-inventory; and each item pulled from inventory triggers a replenishment order to restore the finished-goods-inventory to the desired base stock level. Demands that cannot be met due to insufficient inventory will be considered lost. We propose to study the production system depicted in Figure 1 via the mixed queueing network shown in Figure 2. Station 0 represents the workstation (hereafter interchangeably referred to as workcenter): an arrival at station 0 signals a...



[READ ONLINE](#)

[3.21 MB]

Reviews

Extremely helpful to all type of folks. It is among the most awesome pdf i actually have study. I found out this pdf from my dad and i recommended this pdf to discover.

-- **Dayana Turner**

This book is amazing. it was writtern very completely and helpful. Your way of life period is going to be enhance as soon as you full reading this pdf.

-- **Antonia Lindgren II**