BUSY PERIOD FOR BULK ARRIVAL AND BULK SERVICE MODELS

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Abstract

The purpose of this paper is to investigate and analysis the distribution of the number of customers waiting in queue using Erlangian techniques, the generating functions and the Laplace transforms. Here, the arrivals of units occur in groups according to a homogeneous Poisson process. The service time of customers is a random variable and is independent of the number of customers in the batch.

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