

Flatto, L.; Hahn, S.

Two parallel queues created by arrivals with two demands. I. (English) Zbl 0554.90041
SIAM J. Appl. Math. 44, 1041-1053 (1984).

At a queueing system customers arrive in a Poisson process at a unit rate. Each customer places two demands, which are handled independently by two servers, the service times having exponential densities with parameters α , β , where $1 < \alpha \leq \beta$. The authors investigate the equilibrium probability of the numbers of demands of the two types waiting or being served.

Reviewer: [N.U.Prabhu](#)

MSC:

[90B22](#) Queues and service in operations research
[60K25](#) Queueing theory (aspects of probability theory)

Cited in **4** Reviews
Cited in **60** Documents

Keywords:

queueing system; Poisson process; equilibrium probability

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