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**Multiphase queueing system with blocking and a heavy load.** (English. Russian original)

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Summary: A multiphase queueing system is considered that has limited intermediate buffers and blocking of servers. The service times of the calls in the servers and the time intervals between the arrivals of calls can be distributed as desired. In the case of a heavy load the asymptotic distributions of the waiting time in the external queue and of the length of the external queue coincide with the corresponding asymptotic expressions for a GI/GI/1 system.

**MSC:**

90B22 Queues and service in operations research

**Keywords:**

multiphase queueing system; limited intermediate buffers; blocking of servers