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Busy time of nonstationary single-channel queueing systems and related questions. (English. Russian original) [Zbl 0512.90046](#)

[Autom. Remote Control 43, No. 12, 1537-1543 \(1983\)](#); translation from *Avtom. Telemekh.* 1982, No. 12, 48-55 (1982).

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MSC:

[90B22](#) Queues and service in operations research

[60K25](#) Queueing theory (aspects of probability theory)

[65C99](#) Probabilistic methods, stochastic differential equations

Keywords:

calculation of probability density; busy time; nonstationary single-channel queueing system; two-dimensional Volterra integral equation; explicit formula for an exact solution; algorithm