

THE ASYMPTOTICAL ANALYSES OF THE MASS SERVICE SYSTEM WITH THE INFINITE ACCUMULATOR

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The asymptotical analyses of non-stationary distribution of the number of applications to the mass service system with the infinite accumulator, the simplest Poisson's application stream and exponential service is considered in the paper. The stabilization of dynamical distribution and its discrete functions of distribution to finite are researched using the functional-analytical method. The best evaluation of agreement on non-stationary and stationary solutions is obtained.