

The first part of the paper is devoted to a study of the
 asymptotic behavior of the solutions of the system (1) for
 large values of  $t$ . It is shown that the solutions of (1)
 approach a certain equilibrium state as  $t \rightarrow \infty$ . The
 asymptotic behavior of the solutions is studied by means of
 the method of the asymptotic expansion. It is shown that the
 asymptotic expansion of the solutions of (1) is valid for
 large values of  $t$ . The asymptotic expansion of the
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