

1. The first part of the paper is devoted to a discussion of the
theoretical aspects of the problem. It is shown that the
problem is equivalent to a problem in the theory of
differential equations. The main result of this part is
the theorem that the problem is solvable if and only if
the following conditions are satisfied: (1) the function
is continuous; (2) the function is bounded; (3) the
function is differentiable. The proof of this theorem is
given in the next section.

2. In the second part of the paper, we consider the
problem of finding the solution of the differential equation
for a given set of initial conditions. It is shown that
the solution can be found by the method of successive
approximations. The main result of this part is the
theorem that the solution exists and is unique if the
function is continuous and bounded. The proof of this
theorem is given in the next section.

3. In the third part of the paper, we consider the
problem of finding the solution of the differential equation
for a given set of boundary conditions. It is shown that
the solution can be found by the method of successive
approximations. The main result of this part is the
theorem that the solution exists and is unique if the
function is continuous and bounded. The proof of this
theorem is given in the next section.