Abstract

In this paper we have discussed a special lacunary interpolation problem in which the function values, first derivatives at the nodes and the third derivatives at any point \( \bar{\gamma} \) in between the nodes are prescribed. We have solved the unique existence and convergence problems, using spline functions. As this holds for any \( \bar{\gamma} \) we named it a generalized problem.

References


Index Terms

Computer Science Applied Mathematics

Keywords

Lacunary Interpolation Spline Functions