Abstract

In this paper we consider certain cubic pp functions which satisfy a less stringent discrete extrapolating condition $s_i(x_i+jh) = s_{i+1}(x_{i+jh})$, $i = 1, 2, \ldots, n-1$ for $j = -1, 0, 1$ and are therefore less restrictive than the discrete cubic splines. The existence and uniqueness of periodic extrapolated cubic splines with multiple knots which interpolate to a given functions at more general points interior to each given mesh interval had been investigated.

References

Extrapolation of Cubic Splines in General with Multiple Knots

Index Terms

Computer Science  Applied Sciences

Keywords

Splines, Extrapolation, Cubic pp functions