Cubic Sp-Line Interpolation for Forth Order Polynomial Function

Abstract

When any higher order polynomial function performed as a time signal then the resultant graph may be distorted. Function generator cannot generate ten power pera unit frequency this signals also needs some slant average value. This demerit has been removed under in cubic sp-line. Due to the third order polynomial function has performed with its average approximation. In this paper we generate the signal apply interpolation formula on it and make it smooth and accurate. Finally we compare without and with cubic sp-line interpolation graphs. This algorithm performed in MatLab.

References

Cubic Sp-Line Interpolation for Fourth Order Polynomial Function

Index Terms

Computer Science
Signal Processing

Keywords

Interpolation
Cubic Sp-Line Node Description
Tri-Diagonal System
Decomposition
Forward Substitution
Backward Substitution