

1107-65-150

Wondwosen Gebeyaw Melesse* (gwondwosen12@gmail.com), Dilla University, Dilla, Ethiopia.

Cubic Spline interpolation with some of its Applications.

This paper provides the analysis, formulation, and application of cubic spline interpolation. Cubic splines have many applications in different fields of science especially in approximating smooth and continuous real-valued functions defined in a closed interval. The approximation of these functions by using the two most widely used cubic splines namely natural and clamped cubic splines with their advantages over other interpolation techniques are also presented. (Received January 12, 2015)