Abstract

In this paper, the approximation of asymptotic expansion for the wavelet is obtained and the approximation of asymptotic expansions for generalized Mexican hat wavelet and the wavelet corresponding to $m^{th}$ order cardinal B-spline are obtained. Estimates of present investigations are based on Wong’s method.

References

Approximation of Asymptotic Expansion of Wavelets


Index Terms

Computer Science

Information Sciences

Keywords

First Order Cardinal B-spline, Asymptotic Approximation, m\textsuperscript{th} Order Cardinal B-spline, Asymptotic Expansion, Wavelet Transform, Generalized Mexican Hat Wavelet, Mellin Transform