In this paper, two new Legendre Wavelet estimators of a function $f$ of two variable $x$ and $y$ by $(2^k - 1, M; 2^{k'-1}, M')$ partials sums of their Legendre wavelet series are obtained. These estimators are sharper and better in Wavelet Analysis.

References


**Index Terms**

Computer Science  
Applied Mathematics

**Keywords**

Legendre wavelets, wavelet expansion, wavelet approximation, mother wavelet