

On the sufficient conditions of the localization of the Fourier-Laplace series of distributions from liouville classes

ABSTRACT

In this work we investigate the localization principle of the Fourier-Laplace series of the distribution. Here we prove the sufficient conditions of the localization of the Riesz means of the spectral expansions of the Laplace-Beltrami operator on the unit sphere.

Keyword: Fourier-Laplace series; Laplace-Beltrami operator