BEURLING'S THEOREM FOR THE CLIFFORD-FOURIER TRANSFORM

Rim Jday[1] and Jamel el Kamel[2]

[1]University of Tunis El Manar
[2]University of Monastir Faculty of Sciences of Monastir

June 21, 2022

Abstract

We provide a generalization of Beurling's theorem for the Clifford- Fourier transform and we give some of its applications. Indeed, analogues of Hardy, Cowling-Price and Gelfand-Shilov theorems are obtained in the Clifford analysis setting.

Hosted file

`Beurling's theorem.pdf` available at https://authorea.com/users/490419/articles/573809-beurling-s-theorem-for-the-clifford-fourier-transform