

The Fourier Chébli-Trimèche Transform On Boehmians

Imane Berkak

Hassan II University , Faculty Of Sciences Ain Chok, Casablanca
Morocco

imaneberkak@gmail.com

Joint work with: Radouan Daher

In this talk, we construct a Fourier Chébli-Trimèche transformable Boehmian space by proving all the required auxiliary results. Further, we extend the Fourier Chébli-Trimèche transform on these Boehmian spaces consistently and discuss their properties like linearity, injectivity, convolution theorem and continuity with respect to δ -convergence and Δ -convergence are obtained.