General Correlation Theorem for Trinion Fourier Transform

Mawardi Bahri

Department of Mathematics, Hasanuddin University, Makassar 90245, Indonesia
e-mail: mawardibahri@gmail.com

Abstract

The trinion Fourier transform is an extension of the Fourier transform in the trinion numbers setting. In this work we derive the correlation theorem for the trinion Fourier transform by using the relation between trinion convolution and correlation definitions in the trinion Fourier transform domains.

Keywords: trinion numbers, trinion Fourier transform, trinion correlation