International Journal of Engineering Sciences Paradigms and Researches (IJESPR)

(Vol. 11, Issue 01) and (Publishing Month: February 2014) (An Indexed, Referred and Impact Factor Journal)

ISSN (Online): 2319-6564 www.ijesonline.com

## **Abstract Details**

Title: Continuous Hankel-Clifford Wavelet Transformation on Certain Distribution Spaces

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**Abstract:** In this paper continuity of the Continuous Hankel-Clifford Wavelet Transform  $H_{\nu,\psi}$  of function  $\phi$  in terms of a mother wavelet  $\psi$  is investigated on certain distribution spaces when the Hankel transform of  $\psi$  defined by  $\hat{\psi}(x,y) \in C^{\infty}(\mathbb{R}^2_+)$ . A Sobolev space boundedness result is obtained.

**Keywords:** Continuous Hankel-Clifford wavelet, operator, Sobolev space, distribution spaces.