

## CHARACTERIZATION OF HANKEL TYPE KERNELS

Abstract

## Authors & Affiliation:

## **B.B.Waphare**

MAEER'S MIT Arts, Commerce and Science College, Alandi (D), Pune, Maharashtra, India In this paper we consider an expression involving the Bassel type function, the Neumam function and the MacDonald function and discover various combinations of these functions which are Fourier kernels or conjugate Fourier kernels. Also a large number of integration formulae are established involving these kernels.

2000 Mathematics subject classification

Correspondence To:

## Mr. B.B.Waphare

**Keywords:** Mellin transform Fourier kernels, conjugate Fourier kernels, Bessel type functions, Neumam functions, MacDonald functions, Elastic plates

© 2014. The Authors. Published under Caribbean Journal of Science and Technology

ISSN 0799-3757

http://caribjscitech.com/