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S. K. Upadhyay* (sk_upadhyay2001@yahoo.com), Department of Mathematics, Indian Institute of Technology, Banaras Hindu University, Varanasi, UP 221005, India. *Extremal bounds of Localization Operators involving Watson Transform Associated with Regular Representations and Wavelet Multipliers.*

In this paper we study the boundedness of localization operators associated with left regular representations of a locally compact group. We use the theory of Watson transform to find relation between wavelet multipliers and localization operators. Search for optimal bounds to find extremal inequalities is under investigation (Received September 27, 2017)