

Boas-Type Theorems For The q -Bessel Fourier Transform

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In this paper, we give necessary and sufficient conditions in terms of $\mathcal{F}_{q,\nu}(f)$, the q -Bessel Fourier transform of f , to ensure that f belongs either to one of the generalized Lipschitz classes $H_{q,\alpha}^m$ and $h_{q,\alpha}^m$ for $\alpha > 0$.