MELLIN TRANSFORM FOR GENERALIZED QUOTIENT SPACE

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Abstract

By introducing the relation between the Fourier and Mellin transform, the conditional theorems are proved for Mellin transform for lacunary Boehmians. A series of the form $\sum\limits_{n \to -\infty}^{\infty} \alpha_n \exp(i\lambda_n t)$, where $\{\lambda_n\}$ is a sequence of positive integer for which $\inf(\lambda_{n+1}/\lambda_n) > 1$ and $\lambda_n = -\lambda_n$, for all $n \in \mathbb{N}$ is called lacunary series.

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