

Multiple Dirichlet Series

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In last years there has been a lot of research on the study of Dirichlet series $\sum a_n n^{-s}$ and the connection with many aspects of functional analysis. With the aim of extending this research to several complex variables we study spaces of multiple Dirichlet series. We present the extension of a classical result that establishes an isometric isomorphism between spaces of Dirichlet series and holomorphic functions in infinitely many variables as a fundamental step towards proving that the spaces studied are isometrically isomorphic independently form the dimension.