

Spaces of analytic and differentiable functions in non-archimedean analysis

by

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Abstract

This talk deals with non-archimedean Köthe spaces whose Köthe duals are inductive limits. Among them we have certain spaces of analytic and differentiable functions. They play a role in theorems related to Physics. As a case in point, they are needed in the definition of a Laplace and a Fourier Transform in non-archimedean analysis. The topological properties of these Köthe spaces are crucial for the definitions of these transforms.