
BILINEAR MULTIPLIERS ON ORLICZ SPACES ON LOCALLY COMPACT GROUPS

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ABSTRACT

In this work, we generalize the theory of bilinear multipliers acting on Orlicz spaces from \mathbf{R}^n to locally compact abelian groups G . We focus on describing these bilinear multipliers from the point of view of abstract harmonic analysis. We obtain separate necessary and sufficient conditions for the existence and boundedness of such bilinear multipliers.

Keywords Bilinear multipliers · Orlicz spaces · Locally compact abelian groups · Boyd Indices

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