

CYLINDRICAL MEASURES ON TOPOLOGICAL GROUPS

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Abstract: The concept of cylindrical measures on locally compact Abelian groups is discussed. It is proved that if the convolution of two cylindrical measures μ and ν on G extends to a Radon measure, then there exists an element a belonging to the Bohr compactification of G such that both $\mu * \delta_a$ and $\nu * \delta_{-a}$ have extensions to Radon measures.

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