

Characters and coverings of compact groups

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Abstract

We consider characters and finite-sheeted coverings of compact connected Abelian groups and prove analytic and algebraic properties of characters. As an application of these results, we show that the character group of a compact connected Abelian group with trivial finite-sheeted coverings is divisible. © 2014 Allerton Press, Inc.

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Keywords

character group, character of a compact group, compact connected Abelian group, divisible group, finite-sheeted covering mapping