

The logo of Thammasat University is a large, faint watermark in the background. It is circular and contains the university's name in Thai script at the top and 'THAMMASAT UNIVERSITY' in English at the bottom. In the center is a stylized emblem featuring a crown-like structure with horizontal bars and a central vertical element.

Abstract

We start the study of multiplicative functions on (finite) groups. We define a natural convolution and discuss its associativity and commutativity. When restricted to the case of Abelian groups, this convolution extends the usual Dirichlet convolution. A motivation comes from T. Leinster's notion of perfect group [2] that we review in detail.