

Generalized Dimension Subgroups and Derived Functors

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Abstract

Every two-sided ideal \mathfrak{a} in the integral group ring $\mathbb{Z}[G]$ of a group G determines a normal subgroup $G \cap (1 + \mathfrak{a})$ of G . I will discuss problems related to the identification of such subgroups and their relationship with derived functors in the sense of Dold-Puppe. [This is joint work with Roman Mikhailov (St. Petersburg).]