

HARDY–LITTLEWOOD INEQUALITIES FOR MULTIPOLYNOMIALS

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ABSTRACT. The notion of multipolynomials was recently introduced and explored by T. Velanga [Linear Multilinear Algebra. 66 (2018), no. 11, 2328–2348] as an attempt to encompass the theories of polynomials and multilinear operators. In the present paper, we push this subject further, by proving Hardy–Littlewood inequalities for multipolynomials and, *en passant*, a variant of the Kahane–Salem–Zygmund inequality in this framework.

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