عنوان مقاله:

Polarization constant $\mathcal{K}(n,X)=1$ for entire functions of exponential type

محل انتشار:

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خلاصه مقاله:

In this paper we will prove that if L is a continuous symmetric n-linear form on a Hilbert space and \widehat{L} is the associated continuous n-homogeneous polynomial, then $||L|| = ||widehat{L}||$. For the proof we are using a classical generalized inequality due to S. Bernstein for entire functions of exponential type. Furthermore we study the case that if X is a Banach space then we have that $|L| = ||widehat{L}||$, \forall L \in\{\mathcal{L}}^{s}\{s}\(^{n}X). If the previous relation holds for every L \in \{\mathcal{L}}^{s}\\\ in\{\mathcal{L}}^{s}\\\ in\{\mathcal{L}}^{s

كلمات كليدى:

Polarization constants, polynomials on Banach spaces, polarization formulas

لینک ثابت مقاله در پایگاه سیویلیکا:

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