On Moduli of Expansion of the Duality Mapping of Smooth Banach Spaces

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Abstract:

Let X be a Banach space which is uniformly convex and uniformly smooth. We introduce the lower and upper moduli of expansion of the dual mapping J of the space X. Some estimation of certain well-known moduli (convexity, smoothness and flatness) and two new moduli introduced in [5] are described with this new moduli of expansion.

[5] P.M. MILICIC, The angle modulus of the deformation of a normed space, *Riv. Mat. Univ. Parma*, (6) 3(2002), 101-111.

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