

Home

journal of inequalities in pure and applied mathematics

Reviews

Volumes



About Us

Volume 3, Issue 4, Article 55

Submissions

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

RGMIA

Authors: Pavle M. Milicic,

Keywords: Uniformly convex (smooth) Banach space, Angle of

modulus convexity (smoothness), Lower (upper)

modulus of expansion.

 Date Received:
 05/04/02

 Date Accepted:
 20/05/02

Subject Codes: 46B20,46C15,51K05.

Editors: Sever S. Dragomir,

Abstract: Let **X** be a Banach space which is uniformly convex and unif

Let \mathbf{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 \mathbf{J} of the space \mathbf{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.

Download Screen PDF

Download Print PDF

Send this article to a friend

Print this page

search [advanced search] copyright 2003 terms and conditions login