

Erratum to “Diametral Contractive Mappings in Reflexive Banach Spaces”

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The definition of diametral contraction in Tasković [1, p. 103] should read: Let X be a Banach space. A mapping T of a subset K of X into K is called **diametral contraction** on K iff for every closed convex subset E of K with at least two points is

$$(D) \quad \|Tx - Ty\| \leq \sup\{\|x - y\| : y \in E\}$$

for all $x, y \in E$ and $T(E) \subset E$.

Let X be a normed space and we define \mathcal{K} as a collection of all closed, convex, bounded subsets of X , each of them contained more than one element.

The definition of diametral contractive mappings in [1, p. 106-107] should read: A mapping $T : K \rightarrow K$ (for $K \in \mathcal{K}$) is said to be **diametral contractive** iff

$$(D') \quad \|Tx - Ty\| \leq \sup\{\|x - y\| : y \in Y\}$$

for every $Y \in \mathcal{K}$ with $Y \subset K$, $T(Y) \subset Y$, and for all $x, y \in Y$.

REFERENCES

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- [2] Dominguez-Benavides,-Tomas: Review of [1] in Mathematical Reviews AMS, 2004; 2004m: 47149.

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