

P-CONVEXIFICATIONS OF THE DAUGAVET PROPERTY

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ABSTRACT. A Banach space X is said to have the Daugavet property if for every rank one operator $T : X \rightarrow X$, the equation $\|Id+T\| = 1+\|T\|$ holds. In this talk we present some suitable versions of the Daugavet property for p -convex Banach function spaces that can be still characterized in terms of finite rank operators and slices but are satisfied by different classes of Banach function spaces. All of them correspond to p -convexifications of the Daugavet equation for rank one operators.