

THE DAUGAVET PROPERTY OF BANACH SPACES

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ABSTRACT. A Banach space X is said to have the Daugavet property (DPr) if for every rank-one operator acting in X , the norm of identity plus T equals the sum of norms: $\|I + T\| = 1 + \|T\|$. Among classical Banach spaces $C[0, 1]$ and $L_1[0, 1]$ are the typical examples of spaces, enjoying the DPr. We are going to present a survey of the modern state-of-art in the Daugavet property theory, concentrating mostly on the isomorphic properties of the spaces having the DPr.