## Daugavet property of Banach algebras of holomorphic functions

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In 1963, I. K. Daugavet proved a remarkable result that ||Id + T|| = 1 + ||T||holds for every compact operator T on C[0,1]. Afterwards, the same result was discovered for compact operators on  $L_1[0,1]$  and some C(K)-spaces. When all compact operators on a Banach space X satisfy the Daugavet equation, we say that X has the Daugavet property. It turned out that the Daugavet property used to have a significant influence on the isomorphic structure of a Banach space. A more systemic study on the Daugavet property was initated by Kadets, Shvidkoy, Sirotkin and Werner in 1997, and it has since become a very active area of research in Banach space theory. In this talk, we review some basic facts on the Daugavet property and investigate the Daugavet property of algebras of continuous functions, and holomorphic functions.

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