

A function algebra providing new Mergelyan type theorems in several complex variables

Dimitrios Vavitsas

Talk given at Seminar on Complex Analysis,
meeting 2260, December 2, 2019

For a compact set $K \subset \mathbb{C}^n$ we introduce a subalgebra $A_D(K)$ of $A(K)$, which allows us to obtain Mergelyan type theorems for products of planar compact sets as well as for graphs of functions.