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ON CLOSURE OF SUM OF TWO ALGEBRAS OF REAL CONTINUOUS FUNCTIONS

Abstract

In this paper we cite the proof of the Stone-Weierstrass theorem in general case – without requirement of disappearance and separation of points with respect to some subalgebra of the space $C_R(K)$, where K is a compact set. Besides, the closure problem of sum of two subalgebras of the algebra $C_R(K)$ is studied.