Kamal, A.
On weak Chebyshev subspaces and the property awc1. A survey. (English) Zbl 0997.41016

Author’s abstract: “The property awc1 was used by many authors to obtain results concerning approximation by elements of weak Chebyshev subspaces. In this paper the author studies this property in details, by collecting the scattered results concerning it and by finding new ones”.

This paper is a survey dedicated to collect all the known-information on the awc1 property. It is divided into three sections. With respect to this property, section 1 studies the topological properties, section 2 the algebraic properties and the third section the corresponding approximative properties.

Reviewer: Nácere Hayek (La Laguna)

MSC:
41A50 Best approximation, Chebyshev systems
46B28 Spaces of operators; tensor products; approximation properties

Keywords:
Chebyshev subspace; the awc1 property

Full Text: DOI