

Dierolf, S.; Schröder, K.-H.; Wengenroth, J.

Characters on certain function algebras. (English) Zbl 0932.46041
Funct. Approximatio, Comment. Math. 26, 53-58 (1998).

Authors' summary: The main result of this note is a characterization of all (not necessarily continuous) multiplicative linear functionals on the algebra $C(X, A)$ of continuous functions from a real-compact topological space X to a metrizable topological algebra A . This complements known results for Q -algebras due to Hery. For compact spaces X the requirement on A can be weakened. Finally, a description of all characters on the topological algebra $H(\Omega, A)$ of algebra-valued holomorphic functions on an open subset Ω is given.

Reviewer: C.Badea (Villeneuve d'Ascq)

MSC:

[46J10](#) Banach algebras of continuous functions, function algebras
[46H05](#) General theory of topological algebras
[46E40](#) Spaces of vector- and operator-valued functions

Cited in **3** Documents

Keywords:

multiplicative linear functionals; algebras of continuous functions; algebras of holomorphic functions; Q -algebras