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Properties of function algebras in terms of their orthogonal measures

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Abstract: In the present note, we characterize the pervasive, analytic, integrity domain and the antisymmetric function algebras respectively, defined on a compact Hausdorff space X , in terms of their orthogonal measures on X .

Keywords: compact Hausdorff space X , the sup-norm algebra $C(X)$ of all complex-valued continuous functions on X , its closed subalgebras called function algebras, pervasive (analytic, integrity domain, antisymmetric) function algebra, measure orthogonal to a function algebra

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