ISTANBUL ANALYSIS SEMINARS

BEURLING-FIGÀ-TALAMANCA-HERZ ALGEBRAS

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Abstract: Let G be a locally compact group and 1 . We introduce and study $the Beurling–Figà-Talamanca–Herz algebras, denoted by <math>A_p(G, w)$. These are precisely the Beurling algebras on the dual group \widehat{G} , for p = 2 and abelian G. Our approach contains an earlier one by H.H. Lee and E. Samei, for p = 2 and compact G. We also obtain that a locally compact group G is amenable if and only if $A_p(G, w)$ has a bounded approximate identity.

This is joint work with V. Runde and N. Spronk.

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