



istanbul matematiksel bilimler merkezi
istanbul center for mathematical sciences

WORKSHOP IN BANACH ALGEBRAS

SECOND DUALS OF GROUP AND MEASURE ALGEBRAS

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Abstract

Now we shall consider the second duals of $L^1(G)$ and $M(G)$, and study their properties. In fact $M(G)''$ 'sits' on a hyper-Stonian space \tilde{G} . We shall see that now \tilde{G} is rarely a semigroup - and that this gives us information about the products of measure on \mathbb{T} , say, itself. We shall show that in fact \tilde{G} determines the locally compact group G .

Very recently it has been proved by Neufang, Pachl and Steprans that $M(G)$ is SAI for many groups G , so answering a long-standing open question; we hope to sketch the proof of this result.

Date: Friday, 11 September 2009

Time: 10:30

Place: IMBM Seminar Room, Boğaziçi University

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