KATHOLISCHE UNIVERSITÄT EICHSTÄTT–INGOLSTADT

Mathematisches Kolloquium

Classification of L^p AF algebras

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Abstract:

L^p operator algebras were introduced quite recently by N.C. Phillips. They have a rich and interesting theory, and several fundamental results which exist for C^*-algebras, have been shown to be satisfied also in the L^p operator algebra setting. In the talk I will briefly introduce L^p operator algebras, and then focus on one of these results, the classification of L^p AF algebras using the K_0 group. I will define the K_0 group in terms of equivalence classes of idempotents belonging to certain matrix algebras. If time allows it, I will describe the structure of ideals of any L^p AF algebra, by showing that the ideals of an L^p AF algebra are in one-to-one correspondence with the order ideals of the K_0 group.

Donnerstag, 14.02.2019, KG I/Bau A 103, 15.30 Uhr s.t.

MATHEMATISCH-GEOGRAPHISCHE FAKULTÄT