İSTANBUL ANALYSIS SEMINARS

ON A TENSOR PRODUCT C^*-ALGEBRA ACTING ON THE HARDY SPACE OF THE BI-DISC

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Abstract: In this talk we will deal with a natural C^*-algebra generated by Toeplitz operators and Fourier multipliers acting on the Hardy space of the bi-disc. We observe that this C^*-algebra can be written as a tensor product C^*-algebra. We discuss the structure of its image in the Calkin algebra which yields a characterization of its Fredholm elements. In order for the talk to be accessible to graduate students a short introduction to tensor products of C^*-algebras will be given at the beginning of the talk.

Date: November 23, 2012
Time: 15:40
Place: Sabancı University, Karaköy Communication Center
             Bankalar Caddesi 2, Karaköy 34420, İstanbul