

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
UNIVERSITY OF SOUTHERN DENMARK, ODENSE

Mathematics seminar

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L^2 -Betti numbers of universal quantum groups

Thursday 6 October 2016, 14:15-15:15
IMADA seminar room

Abstract

I will report on a joint work with Sven Raum (EPFL) revolving around the computation of L^2 -Betti numbers for universal quantum groups. We prove that the first L^2 -Betti number of the discrete quantum groups dual to the free unitary quantum groups is one, and that all L^2 -Betti numbers vanish for the duals of the quantum automorphism groups of full matrix algebras.