



ALGEBRA SEMINAR TALK



WITH

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FRIDAY, DECEMBER 2, 2011

2:30 P.M. – Middlesex College Room 107

“Spectral geometry of noncommutative two torus”

Abstract: Recently an analogue of the Gauss-Bonnet theorem has been proved by Connes-Tretkoff and Fathizadeh-Khalkhali for noncommutative two torus. The idea is based on the direct computation of the value at origin of the zeta function associated to the corresponding Laplacian.

In this talk we will briefly discuss the above theorem and explain a related problem.



A. Moatadelro



A. Connes



Tying geometry with arithmetic

We want to encode deep information about arithmetic and geometry of interesting mathematical objects, and collect them beautifully under one large roof, and tie them together with ropes of friendship and help. Perhaps centuries of work may be encoded in a simple point, but when one uncovers its meaning, one cannot help but to be moved by the beauty and depth hidden within.

Thanks to Ali Moatadelro, we shall be able to see some of this beauty and promise, with its imposing, breathtaking vastness and depth.



ALL ARE WELCOME! ☺