

SEMINAR ON TWISTED K-THEORY AND REPRESENTATIONS OF LOOP GROUPS

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"Level statistic on a tree"

Date : *Friday, April 14, 2006*

Time : *3:10-4:10pm*

Location: *Science Center, Room 530*

Abstract: The subject of this talk will be random Schrödinger operators on tree graphs. These operators are known to exhibit purely absolutely continuous spectrum and/or pure point spectrum depending on the energy and disorder regime. It is a widespread believe that for such operators the local fluctuations of the spectrum are related to the spectral type: whereas pure point spectrum should go along with Poisson statistics, purely absolutely continuous spectrum should produce a statistics with features similar to the random matrix case. We will examine this believe in the tree setting.