

Some results in noncommutative L_p spaces

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Noncommutative L_p spaces have been studied since the work of Dixmier and Segal in the 50's. They are generalizations of the usual Lebesgue spaces which are of interest in Harmonic Analysis, C^* -algebras and Quantum Mechanics. In this talk we will give a basic introduction to the topic and we will report on some recent progress and open problems.