CHRIS SCHAFHAUSER, University of Waterloo

MF Traces and Crossed Products

We give a definition of MF traces are C^*-algebras which is an analogue of the quasidiagonal traces defined by N. Brown. Roughly, a tracial state τ on a C^*-algebras A is MF if there is a sequence of finite rank *-linear functions on A which are asymptotically multiplicative and asymptotically recover the trace τ. Given an action of a group G on a C^*-algebra A and an invariant trace τ on A, we consider when the induced trace on $A \rtimes G$ is MF.