On Pimsner-Popa probability constant

Guruprasad

Abstract

We discuss the notion of the Pimsner-Popa probability constant which is a generalisation of Jone's index of a subfactor. We explicitly compute the Pimsner-Popa probability constant between the Masas (maximal abelian self-adjoint subalgebras) of matrix algebra which has an application in the characterization of two subfactors arising from a pair of Hadamard matrices.