

Representation Of Tensor Algebras In The Context Of Hilbert Module

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In this Chapter, a Characterization is given of completely bounded representations of tensor algebra in terms of similarities of contractive intertwiner. Also Proven is that for a C^* -correspondence X over a C^* -algebra A , $T(X) \otimes M_n$ and $T(X \otimes M_n)$ are isomorphic C^* -algebra, where we denote the Toeplitz algebra of X and of $X \otimes M_n$ by $T(X)$ and $T(X \otimes M_n)$ respectively. The analogous statement for tensor algebra is deduced as a corollary.