

GENERALISED MATRIX C^* -ALGEBRAS AND REPRESENTATIONS OF HILBERT MODULES

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ABSTRACT

This paper attempts to provide an introduction to Hilbert modules easily accessible to anyone with an elementary background in operator algebras. Our goal is to point out that von Neumann modules are those Hilbert modules which behave best compared with Hilbert spaces. Most results in the theory of operators on Hilbert spaces remain valid when translated into the language of operators on von Neumann modules.