

Some properties of unitary operators on quaternionic Hilbert spaces

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In this talk there will be presented a refinement of some results from [1] which treats spectral theory for unitary operators on quaternionic Hilbert spaces. In particular we consider different options for defining eigenvalues and eigenelements of quaternionic linear operators.

This work was partially supported by CONACYT projects as well as by Instituto Politécnico Nacional in the framework of its COFAA and SIP programs.

References.

[1] C.S. Sharma and T.J. Coulson, *Spectral theory for unitary operators on a quaternionic Hilbert space*, J. Math. Phys. **28** (9), 1987.