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Understanding Toeplitz operators from a QHA perspective

As first observed by Fulsche, Werner's quantum harmonic analysis (QHA) provides an effective tool to study Toeplitz operators on the Fock space.

QHA on Bergman spaces is more challenging but still has interesting consequences. We discuss a few recent developments in the theory of Toeplitz operators, obtained via QHA. One of them being a simple intuitive proof of the Berger-Coburn theorem for boundedness of Toeplitz operators.