

TOEPLITZ OPERATORS WITH MATRIX-VALUED SYMBOLS AND
SOME (UNEXPECTED) APPLICATIONS

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We discuss the eigenvalue distribution in the Weyl sense of general matrix-sequences associated to a symbol. As a specific case we consider Toeplitz sequences generated by matrix-valued (non Hermitian) bounded functions. We show that the canonical distribution can be proved under mild assumptions on the spectral range of the given symbol. Finally some applications are introduced and discussed.