

Some properties of Fredholm type for Toeplitz operators with 2×2 symbols

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Several relations between the kernels and cokernels of Toeplitz operators with symbols differing by factors of a particular type, which are known to hold in the case of existence of a Wiener-Hopf factorization of the symbol, are obtained here for general symbols in $(L_\infty(\mathbb{R}))^{n \times n}$. These results are applied to establish some properties of Fredholm type for 2×2 symbols.

This is a joint work with C. Benhida and M.C. Câmara.