Operators
and
Matrices
Volume 4, Number 3 (2010), 365–383

ON THE SPECTRUM OF TOEPLITZ OPERATORS WITH QUASI–HOMOGENEOUS SYMBOLS

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Abstract. In this paper, we fully describe the spectrum of a Toeplitz operator with quasi-homogeneous symbol and give formulas for the calculation of the spectral radius in the case where it is maximal. Finally, Theorem 4 gives equivalent conditions on the quasi-homogeneous function F to have $\|T_F\| = \|F\|_\infty$. As a corollary we obtain some necessary and sufficient conditions for such Toeplitz operators to verify the equality $\sigma(T_F) = F(\mathbb{D})$.

Mathematics subject classification (2010): 47B35.
Keywords and phrases: Toeplitz operator, Bergman space, Spectrum, quasi-homogeneous symbol, norm, Berezin transform.

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Paper OaM-04-19