HYPONORMAL TOEPLITZ OPERATORS ON THE BERGMAN SPACE

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Abstract. A Hilbert space operator is hyponormal if \( T^* T - TT^* \) is positive. We consider hyponormality of Toeplitz operators on the Bergman space with a symbol in the class of \( f + \overline{g} \) where \( f \) is a monomial and \( g \) is a polynomial. We give sufficient conditions for hyponormality in this case.


Keywords and phrases: Toeplitz operator, hyponormal, positive matrix.

REFERENCES