BROWN-HALMOS TYPE THEOREMS OF WEIGHTED TOEPLITZ OPERATORS

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ABSTRACT. The spectra of the Toeplitz operators on the weighted Hardy space $H^2(Wdμ/2π)$ and the Hardy space $H^p(dμ/2π)$, and the singular integral operators on the Lebesgue space $L^2(dμ/2π)$ are studied. For example, the theorems of Brown-Halmos type and Hartman-Wintner type are studied.