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SOME ESSENTIALLY NORMAL WEIGHTED COMPOSITION OPERATORS ON THE WEIGHTED BERGMAN SPACES

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ABSTRACT. First of all, we obtain a necessary and sufficient condition for a certain operator $T_w C_\varphi$ to be compact on A_α^2 . Then, we characterize the essentially normal weighted composition operators $C_{\psi, \varphi}$ on the weighted Bergman spaces A_α^2 , when $\varphi \in \text{LFT}(\mathbb{D})$ is not an automorphism and $\psi \in H^\infty$ is continuous at a point ζ which φ has a finite angular derivative.

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