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Soumyadip Acharyya*, acharyys@erau.edu, and **Zhijian Wu**, zhijian.wu@unlv.edu. *Difference of two weighted composition operators on Bergman spaces.*

Let φ be a holomorphic self-map of the open unit disc \mathbb{D} and u be a measurable (**not necessarily holomorphic**) complex-valued function on \mathbb{D} . The linear map uC_φ on $H(\mathbb{D})$ defined by

$$(uC_\varphi)(f)(z) = u(z)(f \circ \varphi)(z), \quad f \in H(\mathbb{D}), z \in \mathbb{D},$$

is called the weighted composition operator with weight u and symbol φ .

The talk will begin with a brief survey of some earlier results about the difference of two unweighted composition operators, in particular their Schatten - 2 membership, compactness, and, boundedness. Our main results include equivalent expressions for the Schatten - 2 norm, essential norm and operator norm of two weighted composition operators, acting from weighted Bergman spaces to L^p spaces. Insight into the techniques to solve those type of problems will be given. (Received September 05, 2016)