

**COMPACT WEIGHTED COMPOSITION OPERATORS ON  
SPACES OF HOLOMORPHIC FUNCTIONS ON BANACH  
SPACES**

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Given an infinite dimensional Banach space  $X$  and its open unit ball  $B$ , we study when the weighted composition operator  $C_{\psi,\varphi}$  is compact in the space of all bounded analytic functions  $H^\infty(B)$ , and when it is bounded, reflexive, Montel and (weakly) compact in the space of analytic functions of bounded type  $H_b(B)$ . The study is given in terms of properties of the weight  $\psi$  and the symbol  $\varphi$ .

This is a joint work with José Bonet, Daniel Santacreu and Pablo Sevilla-Peris.

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