

## OPERATOR-WEIGHTED COMPOSITION OPERATORS ON VECTOR-VALUED BLOCH SPACES

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*Abstract.* Let  $\varphi$  be an analytic self-map of  $\mathbb{D}$  and  $\psi$  be an analytic operator-valued function on  $\mathbb{D}$ . Then the operator-weighted composition operator  $W_{\psi, \varphi}$  is defined by

$$(W_{\psi, \varphi} f)(z) = \psi(z)f(\varphi(z)), \quad z \in \mathbb{D},$$

where  $f$  is an analytic function  $\mathbb{D} \rightarrow X$ ,  $X$  is any complex Banach space. In this paper by considering  $W_{\psi, \varphi}$  on vector-valued Bloch spaces, some qualitative properties of these operators will be characterized.

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