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Weighted composition operators on iterated weighted-type Banach spaces of analytic functions

We study a class $\{V_n : n \geq 0\}$ of iterated weighted-type Banach spaces of analytic functions on the open unit disk of which the Bloch space and the Zygmund space are special cases. We characterize the bounded and the compact weighted composition operators on V_n thereby extending several known results in the literature. Lastly, we characterize the invertible weighted composition operators on V_n and prove that, for $n \neq 1$, a composition operator on V_n is an isometry if and only if its symbol is a rotation. This is joint work with Nacir Hmidouch.