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Composition operators on μ -Bloch spaces.

Given a positive continuous function μ on the interval $0 < t \leq 1$, we consider the space of so-called μ -Bloch functions on the unit ball. If $\mu(t) = t$, these are the classical Bloch functions. For μ , we define a Finsler metric $F_z^\mu(u)$, in terms of which we give a characterization of μ -Bloch functions. Then, necessary and sufficient conditions are obtained in order that a composition operator be a bounded or compact operator between these generalized Bloch spaces. Our results extend those of Zhang and Xiao. (Received February 17, 2006)