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Holomorphic Bloch spaces on the unit ball in C^n

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Abstract: This work is an introduction to anisotropic spaces of holomorphic functions, which have ω -weight and are generalizations of Bloch spaces on a unit ball. We describe the holomorphic Bloch space in terms of the corresponding L_ω^∞ space. We establish a description of $(A^p(\omega))^*$ via the Bloch classes for all $0 < p \leq 1$.

Keywords: weighted Bloch spaces, projection, inverse mapping, dual space

AMS Subject Classification: 32A18, 46E15

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