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Riesz theorem on wedges of class $C^{1,\alpha}$* . Preliminary report.

If a holomorphic function f of one variable is defined on a smoothly bounded domain D and grows temperedly at the boundary then it has a weak boundary value bf . A classical theorem of F. and M. Riesz states that if bf is a Borel measure, then it is absolutely continuous with respect to linear measure, i.e., Lebesgue measure on ∂D . We present an extension of this theorem for measures that are boundary values of holomorphic functions defined on wedges of \mathbb{C}^N with edges in the class $C^{1,\alpha}$. (Received January 12, 2006)