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Carleson Measures for Analytic Besov Spaces: The Upper Triangle Case

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Abstract: For a large family of weights ρ in the unit disc and for fixed $1 < q < p < \infty$, we give a characterization of those measures μ such that, for all functions f holomorphic in the unit disc,

$$\|f\|_{L^q(\mu)} \leq C(\mu) \left(\int_{\mathbb{D}} |(1-|z|^2) f'(z)|^p \rho(z) \frac{m(dz)}{(1-|z|^2)^2} + |f(0)|^p \right)^{\frac{1}{p}}.$$