

WEIGHTED INTERPOLATION OF WEIGHTED ℓ^p SEQUENCES AND CARLESON INEQUALITY

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Abstract. Let $\{z_j\}$ be a sequence in the open unit disc D and $\rho_n = \prod_{j \neq n} |z_n - z_j| / |1 - \bar{z}_j z_n| > 0$. For $0 < p < \infty$, H^p denotes a Hardy space on D . For a given f in H^p , we study a sequence $\{(1 - |z_j|^2)^{1/p} f(z_j)\}$. Then it is related to a Carleson inequality.

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