1057-30-399 **Maher M.H. Marzuq*** (mmarzuq@moc.edu), Maher M. H. Marzuq, Department of Science and Mathematics, Mount Olive College, Mount Olive, NC 28365. *Interpolation Sequence For The Spaces $H^q_+(\phi)(q \geq 1)$.*

Let $\phi$ be a subadditive increasing real valued function defined on $[0, \infty)$ and which satisfies $\phi(x) = 0$ if and only if $x = 0$. For $q \geq 1$ we define $H^q(\phi)$ to be the set of all functions $f$ which are analytic in the open unit disc and satisfy

$$\sup_{0 \leq r < 1} \int_0^{2\pi} [\phi(|f(re^{i\theta})|]^q \, d\theta < \infty$$

and $H^q_+(\phi)$ to be the subspace of $H^q(\phi)$ of functions which satisfy

$$\lim_{r \to 1} \int_0^{2\pi} [\phi(|f(re^{i\theta})|)]^q \, d\theta = \int_0^{2\pi} [\phi(|f(e^{i\theta})|)]^q \, d\theta.$$

In this paper we prove some interpolation theorems for $H^q_+(\phi)$. (Received January 26, 2010)