Title: $\mathcal{N}(p,q,s)$-type spaces in the unit ball of $\mathbb{C}^n$(III): various characterizations

Author(s): Bingyang Hu and Songxiao Li

The purpose of this paper is to study various characterizations of a new class of function spaces, called $\mathcal{N}(p,q,s)$-type spaces, in the unit ball $\mathbb{B}$ of $\mathbb{C}^n$, via different notions of derivatives. As a corollary, a version of Korenblum's inequality for $\mathcal{N}(p,q,s)$-type functions was established. Moreover, the mixture and oscillation characterizations of $\mathcal{N}(p,q,s)$-type spaces are also investigated.

Address:
Bingyang Hu
Department of Mathematics
University of Wisconsin
Madison, WI 53706-1388
USA

Address:
Songxiao Li
Institute of Fundamental
and Frontier Sciences
University of Electronic Science
and Technology of China
610054, Chengdu, Sichuan
P. R. China