998-30-104 **Ahmed A. El-Sayed** (`ahsayed80@hotmail.com`), South Valley Univ. Fac.of Sciences, Dept. of Mathematics, 82524 Sohag, Sohag, Egypt, **Klaus K. Gürlebeck** (`guerlebe@fossi.uni-weimar.de`), Coudray-Str. 13 B, 99423 Weimar, Turingen, Germany, **Lino F. Resendis** (`lfro@correo.azc.uam.mx`), Apartado Postal 16-306, 02200 Ciudad de México, D.F., Mexico, and **Luis M. Tovar*** (`tovar@esfm.ipn.mx`), Edif.9 U. Prof. Zacatenco IPN, 07300 Cd. de México, D.F., Mexico. *Characterizations for B^{pq} Spaces by Bloch Spaces in Clifford Analysis.*

In this work we will give the definition of B^{pq} spaces of hyperholomorphic functions. Then the authors characterize these spaces by hypercomplex Bloch spaces. One of the main results that the authors prove is a general Besov-type characterization for quaternionic Bloch functions that generalizes a Stroethoff theorem. Further,some important basic properties of these B^{pq} spaces are also considered. (Received February 16, 2004)

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