1106-32-2634 Brendon Kerr Ballenger* (bballeng@math.fsu.edu), 208 Love Building, 1017 Academic Way, Tallahassee, FL 32306-4510, and Craig A Nolder. Conjugate Harmonic Components of Monogenic Functions.

We study the conjugate harmonic components of monogenic functions, i.e. functions in the kernel of the Cauchy Riemann Operator, and we show that a Clifford-valued function can be decomposed into even and odd parts. We explore the relationships between these parts in terms of monogenicity, paramonogenicity, and non-tangential limits. Lastly, we prove a monogenic Riesz theorem. (Received September 16, 2014)