

Domains of monogenicity in several quaternionic variables: the sufficient condition

Tomáš Salač¹,

¹ Mathematical Institute of Charles University, K 386 (4043), 3rd floor, Karlín, Sokolovská 49/83, Praha 8, Czech Republic

The Cauchy-Fueter operator plays in the analysis in several quaternionic variables the role of the Cauchy-Riemann operator. A natural question is to understand the domains of monogenicity of the Cauchy-Fueter operator, these are the domains of holomorphy for this operator. In my talk I will outline the major steps in the proof of the sufficient condition that any pseudoconvex set is a domain of monogenicity. This is a content of the forthcoming article: T.S., The domains of monogenicity in several quaternionic variables, part II: sufficient condition.

This submission is for a contributed session