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A linear boundary value problem for generalized hypermonogenic vector valued function in Clifford analysis. (Chinese. English summary) [Zbl 1413.30135](#)

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Summary: This paper discusses the properties of Cauchy type operators with hypermonogenic function kernel and T type operators. Then by the above and contraction map theorem for universal function, we prove the existence of the solution to the linear boundary value problem for generalized hypermonogenic vector valued function.

MSC:

30E25 Boundary value problems in the complex plane

30G35 Functions of hypercomplex variables and generalized variables

Keywords:

generalized hypermonogenic function vector; Cauchy type operator; hypermonogenic function kernel; T type operator