DETERMINATION OF SOME TRIPLE FIXED POINTS IN *C**-ALGEBRA VALUED *G*-METRIC SPACES

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Abstract

In 2011, V. Berinde and M. Borcut introduced the notion of tripled fixed point in partially ordered complete metric spaces and attained existence, uniqueness theorems for contractive mappings by using Banach Contraction Principle. Huang and Zhang made in to the concept of cone metric spaces first, considering ordered Banach space in 2007. Mustafa and Sims, 2005, started on the new topic the name of a generalized metric space as a generalization of the usual metric space. In this paper, we establish some triple fixed point theorems for nonlinear contractive type mappings in the *C**algebra valued completed *G*-metric space order. We *p* demonstrate existence and the uniqueness of a triple fixed point for such nonlinear contractive mappings. Besides, we state some numerical examples to illustrate and support our results.