FIXED POINT RESULTS FOR MAPPING SATISFYING RATIONAL INEQUALITY IN COMPLEX VALUED METRIC SPACES

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Abstract. In this paper we present some results of fixed point theory in a recently introduced generalizations of metric space, that is, complex valued metric space where the metric assumes value in the field of complex number. We assume a weak inequality with a rational expression in our theorem. The notion of inequality here is the order inequality in a partial ordering of the complex numbers. The results are illustrated with examples. The work is a part of the rapid extension of metric fixed point theory to more generalized structures beyond the boundary of metric spaces.

REFERENCES


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