PREŠIĆ-KANNAN-RUS FIXED POINT THEOREM
ON PARTIALLY ORDER METRIC SPACES

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Abstract. The purpose of this paper is to present some fixed point theorems for operators $f \colon X^k \to X$ satisfying a general Prešić-type contractivity condition on a partially order complete metric space X. Moreover, we give an application of our main theorem to the study of nonlinear differential equations.

Key Words and Phrases: Prešić-type contractive mapping, partially ordered set, fixed point.

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