

1128-47-188

John R. Graef* (john-graef@utc.edu), Department of Mathematics, University of Tennessee at Chattanooga, Chattanooga, TN 37403. *Some Multivalued Versions of Krasnosel'skii's Fixed Point Theorem.*

A well known fixed point theorem of Krasnosel'skii established the existence of a fixed point for the sum of two operators in the case where one is continuous and compact and the other is a contraction. Here we present some extensions of this result to multivalued operators. (Received February 26, 2017)