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Research Details :

Research Title	: تطبيقات من النوع التقلصي متعدد القيم ونقاط التطابق
Descriptipn	: In the setting of metric spaces, Nadler introduced a notion of multivalued contraction maps and obtained a multivalued version of the Banach Contraction Principle, which occupies a central position in fixed point theory. Bae studied the existence of fixed points for multivalued weakly contractive maps in the setting of metric and Banach spaces. We prove some results on the existence of coincidence points for multivalued f -weakly contractive nonself maps, which generalize and improve the corresponding results due to Bae, Latif and Tweddle and many others. Most recently, Feng and Liu generalized a multivalued version of the Banach contraction principle due to Nadler. We obtain coincidence points results for multivalued f -contractive selfmaps, which generalize the corresponding coincidence point result of Kaneko and the fixed point result of Feng and Liu. Moreover, in the setting of Banach spaces, we obtain a general coincidence point result for R -weakly commuting maps
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