On regulated contractility condition: New results and generalizations in fixed point theory

Wei-Shih Du

Department of Mathematics,
National Kaohsiung Normal University, Taiwan.

Abstract

In this talk, we introduce and study the concept of regulated contractility condition (abbreviated as (RC)-condition) and present some sufficient conditions for the (RC)-condition. Some new fixed point theorems and new simultaneous generalizations of well-known fixed point theorems satisfying the (RC)-condition are established.