

## FIXED POINT THEOREMS FOR MULTI-VALUED MAPPINGS OF FENG-LIU TYPE

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**Abstract.** This paper presents some fixed point theorems for multi-valued contraction mappings that generalize recent results proved by Y. Feng and S. Liu [*Fixed point theorems for multi-valued contractive mappings and multi-valued Caristi type mappings*, J. Math. Anal. Appl., **317**(2006), 103-112], D. Klim and D. Wardowski [*Fixed point theorems for set-valued contractions in complete metric spaces*, J. Math. Anal. Appl., **334**(2007), 132-139] or L. Ćirić [*Fixed point theorems for multi-valued contractions in complete metric spaces*, J. Math. Anal. Appl., **348**(2008), 499-507; *Multi-valued nonlinear contraction mappings*, Nonlinear Anal., **71**(2009), 2716-2723].

**Key Words and Phrases:** Fixed point, multi-valued mapping, metric space.

**2010 Mathematics Subject Classification:** 47H10, 54H25.

### 1. ACKNOWLEDGMENT

The author was supported by programs co-financed by The Sectoral Operational Programme Human Resources Development, Contract POS DRU 6/1.5/S/3 -“Doctoral studies: through science towards society”.

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*Received: March 17, 2009; Accepted: August 30, 2009.*