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NEW COMMON FIXED POINT THEOREM OF SET-VALUED MAPPINGS IN 2-METRIC SPACE

L. SHAMBHU SINGH AND M. RANJIT SINGH

Abstract

This paper generalizes a theorem in Banach space of M. R. Singh and L. Shambhu Singh (A fixed point Theorem via biased maps, Journal of Indian Acad. Maths. Vol 31 No. 1 (2009) pp. 65 - 75) in a 2 - metric space with Gregus type and ϕ -type contractive condition.

Key Words : *Gregus type contraction, ϕ -contraction, Commuting maps, Coincidentally commuting maps, 2-metric space, Complete subspace.*

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