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Factorizations of set-valued mappings with separable range

Comment.Math.Univ.Carolinae 37,4 (1996) 809-814.

Abstract: Right factorizations for a class of l.s.c. mappings with separable metrizable range are constructed. Besides in the selection and dimension theories, these l.s.c. factorizations are also successful in solving the problem of factorizing a class of u.s.c. mappings.

Keywords: set-valued mapping, lower (upper) semi-continuous, factorization

AMS Subject Classification: Primary 54C60, 54C65; Secondary 54F45