

## GENERALIZED NONLINEAR QUASI-VARIATIONAL-LIKE INEQUALITIES FOR SET-VALUED MAPPINGS IN BANACH SPACES

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*Abstract.* In this paper, we introduce and study a new class of generalized nonlinear quasi-variational-like inequalities for set-valued mappings in Banach spaces. Using the KKM technique, we prove the existence and uniqueness of solution for this class of generalized nonlinear quasi-variational-like inequalities for set-valued mappings in Banach spaces. Our results extend and improve some main results of Verma.

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