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Priyanka Mishra* (priyankamshr122@gmail.com), Department of Mathematics, Indian Institute of Technology Patna, Patna, Bihar 801103, India, and **B. B. Upadhyay** (bhooshan@iitp.ac.in), Department of Mathematics, Indian Institute of Technology Patna, Patna, Bihar 801103, India. *On Minty Variational Principle for Nonsmooth Interval-Valued Multiobjective Programming Problems.*

In this paper, we consider a class of nonsmooth interval-valued multiobjective programming problems and a class of approximate Minty and Stampacchia vector variational inequalities. Under generalized approximate LU-convexity hypotheses, we establish the relations between the solutions of approximate Minty and Stampacchia vector variational inequalities and the approximate LU-efficient solutions of the nonsmooth interval-valued multiobjective programming problem. The results of this paper extend and unify the corresponding results of Mishra and Upadhyay (2013), Mishra and Laha (2016), Upadhyay et al. (2017) and Gupta and Mishra (2018) for nonsmooth interval-valued multiobjective programming problems. Keywords: Approximate LU-convexity; Approximate LU-efficient solutions; Intervalvalued multiobjective programming (Received September 14, 2020)