

1086-49-1083

R. N. Mohapatra* (ram.mohapatra@ucf.edu), University of Central Florida, Department of Mathematics, 4000 Central Florida Blvd., Orlando, FL 32816, and **R. U. Verma** (vermar@cmaaccess.com). *Generalized Higher-Order Univexities and Applications to Strongly Parametric Duality Models for Discrete Minimax Fractional Programming.*

Based on a significant generalization to higher order univexities, we investigate some strongly parametric duality models applied to establish some duality results to a semiinfinite minimax fractional programming problem. The results obtained encompass many of the duality results under various generalized higher order univexity assumptions available in the literature. (Received September 18, 2012)