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Ram N Mohapatra* (ram.mohapatra@ucf.edu), 4000 Central Florida Blvd., Department of Mathematics, Orlando, FL 32817, Afghanistan, and **Ram U Verma** (verma99@msn.com), 601 University Drive, San Marcos, FL 78666-4684. *Exponential Type A – (b,phi,eta,p,r) Univexities and Minimax Fractional Integral Programming.*

Recently, Verma (Theory and Applications of Mathematics & Computer Science 2 (2) (2012) 31–47 and 3 (1) (2013) 65–84) has considered comprehensive generalization of the concept of univex functions and their applications introduced by Zalmai (Advances in Nonlinear Variational Inequalities 15(2), 63–91). This paper deals with exponential type $A-(b,\phi,\eta,p,r)$ univexities and the problem of minimizing a maximum of several time dependent ratios involving integral expressions. Based on these generalized univexities some optimality conditions are established and dual models of Wolf and Mond types as well as one parameter and mixed types are considered. They lead to weak, strong and strict converse duality theorems. (Received August 17, 2013)