

1077-90-623

Ram U Verma* (verma99@msn.com), Texas A&M University, Kingsville, TX 78363. *The Weak Optimality Conditions for Multiple Objective Fractional Programming Based on Generalized Invexity of Higher Order.*

A general framework for a class of generalized invexity of higher order is developed and then applied to establish some results on weakly efficient solutions to a class of multiple objective fractional subset programming problems. The investigated results generalize and unify a wide range of results on fractional programming available in literature. (Received September 08, 2011)