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Ram U. Verma and **Youngsoo Seol*** (y_s40@txstate.edu), 601 University Rd, San Marcos, TX 78666. *Some Sufficient Efficiency Conditions in Semiinfinite Multiobjective Fractional Programming Based on Exponential Type Invexities.*

First a generalization to the first order exponential Hanson-Antczak type invexities to the case of the Hanson-Antczak-type-V-invexities is introduced, which encompasses most of the exponential type invexities as well as other various invexity variants in the literature. Then a number of parametric sufficient efficiency results under various Hanson-Antczak-type generalized-V-invexity assumptions for the semiinfinite multiobjective fractional programming problems are investigated. The obtained results are new and general in nature to challenging applications arising from semiinfinite multiobjective fractional programming and optimization. (Received August 05, 2014)