1135-90-725 **Ram Verma*** (verma99@msn.com). *Hybrid fractional integral type programming.* Preliminary report.

A hybrid class of fractional integral type programming problems for minimizing a maximum of several time-dependent ratios involving integral type models based on new generation invexities are investigated toward developing generalized Wolfe type dual models, and generalized Mond-Weir type dual models. Furthermore, some results are established on generalized Wolfe type dual models and generalized Mond-Weir type dual models, which lead to establishing weak, strong, and strict converse duality theorems by applying new generation invexity frameworks. These advanced duality theorems have significant applications to multitime multiobjective variational problems as well as to multiobjective control problems. (Received September 13, 2017)