

## DUALITY FOR MINIMAX FRACTIONAL PROGRAMMING PROBLEMS UNDER SECOND ORDER $(\Phi, \rho)$ -INVEXITY

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**Abstract.** In the present paper, we are concerned with a minimax fractional programming problem containing arbitrary norms and establish duality theorems for a dual model related to minimax fractional programming problem under the assumptions of second order  $(\Phi, \rho)$ -invexity.

**Keywords.** Minimax programming. Fractional programming. Second order  $(\Phi, \rho)$ -invexity. Duality

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