



**A HIGHER ORDER WOLFE CONVERSE DUALITY
IN MULTIOBJECTIVE PROGRAMMING
INVOLVING CONES**

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Abstract

In this note, we establish a new higher order converse duality theorem for higher order Wolfe type multiobjective programming with cone constraints under appropriate assumptions. Our result fills the gap in the work of Kim et al. [D. S. Kim, H. S. Kang, Y. J. Lee and You Young, Higher order duality in multiobjective programming with cone constraints, Optimization 59(1) (2010), 29-43].

Keywords and phrases: multiobjective programming, higher order Wolfe duality, cones, converse duality theorem.

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