

A TYPE OF MONOTONICITY ON THE L_p CENTROID BODY AND L_p PROJECTION BODY

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Abstract. Associated with L_p centroid body and L_p projection body, Lutwak, Yang and Zhang recently made a series of studies. In this paper, associated with the L_p mixed volume and dual mixed volumes, we establish several inequalities for the monotonicity of L_p centroid body and L_p projection body.

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