

INEQUALITIES FOR THE p -CROSS-SECTION BODIES

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Abstract. Gardner and Giannopoulos defined the p -cross-section body $C_p K$ ($p > -1$) of convex body K . In this paper, some inequalities for the volumes of $C_p K$ are shown. Further, the Shephard type problem and a monotony inequality of $C_p K$ are obtained.

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