SOME INEQUALITIES FOR GENERAL $L_p$–HARMONIC BLASCHKE BODIES

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Abstract. Feng and Wang gave the extremum value of volume for the general $L_p$-harmonic Blaschke bodies. In this paper, associated with the general $L_p$-harmonic Blaschke bodies, we obtain the extremum value of dual quermassintegrals and the $L_p$-dual affine surface area, respectively. Further, two monotonic inequalities for the general $L_p$-harmonic Blaschke bodies are given.


Keywords and phrases: General $L_p$-harmonic Blaschke body, dual quermassintegrals, $L_p$-dual affine surface area.

REFERENCES