HARDY INEQUALITIES FOR SOME NON–CONVEX DOMAINS

WALEED ABUELELA

Abstract. Considering two different geometrical conditions, we obtain some new Hardy-type inequalities for non-convex domains in $\mathbb{R}^n$. In order to do so, we study the three-dimensional case and then generalise the approach to the $n$-dimensional case.


Keywords and phrases: Hardy inequality, non-convex domains.

REFERENCES