Dolbilin, N. P.; Magazinov, A. N.
Locally antipodal Delaunay sets. (English. Russian original) [Zbl 1352.52022]

The authors state that two locally antipodal Delaunay sets having the same parameter $R$ globally coincide whenever they have a common $2R$-cluster and all $2R$-clusters in both sets are centrally symmetric. A structure theorem on locally antipodal sets is also included.

Reviewer: Gabriela Cristescu (Arad)

MSC:
52C07 Lattices and convex bodies in n dimensions (aspects of discrete geometry)
06B75 Generalizations of lattices
20H15 Other geometric groups, including crystallographic groups

Keywords:
crystal set; cluster; locally antipodal Delaunay sets

Full Text: DOI