

On Generalized Delaunay Systems

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In the standard definition of Delaunay point systems for Euclidean space, the two main parameters R and r play the crucial role and allow one to construct a certain decomposition of the space into polyhedral domains. Omitting these two parameters, we consider generalized Delaunay point systems which also produce analogous decompositions of the space, but do not have some properties of ordinary Delaunay systems.