

# **ON THE COEFFICIENTS APPROACH TO THE AFFINE HOMOGENEITY**

*Boldyreva O.A., Loboda A. V.*

The correlations are established in the paper between two methods of description (by means of explicit and canonical equations) of affine homogeneous hyper surfaces of 3-dimensional real space.

The set of canonical parameters the family of strictly convex surfaces describing is separated to subsets. The individual type of explicit function of homogeneous surface correlates to every such subset.

The intermediate chain of established correlations is the description of homogeneous surfaces in terms of matrix Lie algebras. Integration of these algebras is connected with the lot of cases and became the key moment in getting of papers results.