

Vjekoslav Kovač: *Democratic systems of translates on LCA groups*

We attempt to give characterizations of democratic property for systems of translates on a general locally compact abelian group, along a lattice in that group. That way we generalize results from the joint paper by Hernández, Nielsen, Šikić, and Soria on systems of integer translates. However, the main motivation for this work is to show that more operative characterizations exist for lattices with a particular algebraic structure. Certain basic notions from convex geometry, group theory, ergodic theory, and additive combinatorics arise naturally in our discussion. This is joint work with Hrvoje Šikić.