

Conditions under which a lattice is isomorphic to the subgroup lattice of an abelian group

CAROLINA CONȚIU

ABSTRACT.

In this paper, we provide necessary and sufficient conditions under which a lattice is isomorphic to the subgroup lattice of an arbitrary abelian group. We also give necessary and sufficient conditions for a lattice L , to be isomorphic to the normal subgroup lattice of an arbitrary group.

"BABEȘ-BOLYAI" UNIVERSITY
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE
MIHAIL KOGĂLNICEANU 1, 400084 CLUJ-NAPOCA, ROMANIA
E-mail address: carolinacontiu@yahoo.com