FINITE HOMOGENEOUS AND LATTICE ORDERED EFFECT ALGEBRAS

Gejza Jenča

Department of Mathematics, Faculty of Electrical Engineering and Informatics
Slovak University of Technology
Ilkovičova 3, 812 19 Bratislava, Slovak Republic
jenca@kmat.elf.stuba.sk

We prove that every finite homogeneous effect algebra is a homomorphic image of an orthoalgebra and that every lattice ordered effect algebra is a homomorphic image of an orthomodular lattice. Moreover, the surjective homomorphism preserves blocks in both directions : the (pre)image of a block is always a block.