Implications and equivalences in orthomodular lattices

Marek Hyčko
Mathematical Institute, SAS
Štefánikova 49, SK-81473 Bratislava, Slovakia
hycko@mat.savba.sk

A graphical method for evaluating expressions in orthomodular lattices introduced by M. Navara in [3] is extended to a method for checking the validity of classical logic implications and equivalences of identities with two variables. We present possible extensions of the presented method for the logical expressions whose both sides contain conjunctions and disjunctions of identities.

References

*The author acknowledges the support of the grant VEGA 2/3163/23 SAV and CEEPUS network SK-42.