SUBVARIETIES OF PERFECT MONADIC MV–ALGEBRAS

Revaz Grigolia*, Antonio Di Nola**, Giacomo Lenzi**

*Iv. Javakhishvili Tbilisi State University, Department of Mathematics, Tbilisi, Georgia,
revaz.grigolia@tsu.ge
**University of Salerno, Department of Mathematics, Salerno, Italy,
adinola@unisa.it, glenzi@unisa.it

This paper is devoted to the description of the lattice L of all subvarieties of the variety of monadic MV-algebras generated by perfect monadic algebras [1], [2]. It is shown that any subvariety is defined by some identity.

References

1. A. Di Nola, R. Grigolia. On Monadic MV-algebras, APAL, vol. 128, Issues 1-3 (August 2004), pp. 125-139.
2. A. Di Nola, R. Grigolia, E. Turunen. Fuzzy Logic of Quasi-Truth: An Algebraic Treatment, Springer, Series: Studies in Fuzziness and Soft Computing, Vol. 338, 117 pages, 2016.