Vernikov, B. M.

Formula varieties of associative rings. (Russian) Zbl 0614.16012

Mat. Issled. 90, 41-47 (1986).

A class S of varieties of associative rings is formula if there exists a formula F(x) with one variable x in the first order language of lattices such that F(M) is true if and only if M belongs to S. It is shown that classes of locally finite and of cross varieties of associative rings are formula. All formula varieties form a sublattice F in the lattice L of all varieties of associative rings. Any atom in L belongs to F.

Reviewer: V.A.Artamonov

MSC:

16Rxx Rings with polynomial identity
08B15 Lattices of varieties

Keywords:

first order language of lattices; cross varieties; formula varieties; varieties of associative rings; atom

Full Text: EuDML