

Representative publications
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1 Research papers

Congruence computations in principal arithmetical varieties, with Kalle Kaarli, Algebra Universalis **79**, (2018): no. 4, Art. 88, 15 pp.

Weakly diagonal algebras and definable principal congruences, with Kalle Kaarli, Algebra Universalis **55**, (2007).

The decidability of the affine completeness generation problem, with Kalle Kaarli, Algebra Universalis **48**, (2002).

Boolean Universal Algebra, in Logic and Algebra ed. P. Agliano, A. Ursini, Lecture Notes in Pure and Appl. Math., **180**, Marcel Dekker, (1996).

Compatible functions and the Chinese Remainder Theorem, with Ervin Fried, Algebra Universalis **32**, (1994).

Finite arithmetical affine complete algebras having no proper subalgebras, with Kalle Kaarli, Algebra Universalis **31**, (1994).

Affine complete varieties, with Kalle Kaarli, Algebra Universalis **24**, (1987).

Principal congruence formulas in arithmetical varieties, in Universal Algebra and Lattice Theory, Lecture Notes in Math. **1149**, Springer Verlag, (1984).

A survey of interpolation in universal algebra, Colloq. Math. Soc. J. Bolyai 29, (Universal Algebra), North Holland Publ. (1982).

The dual discriminator function in universal algebra, with Ervin Fried, Acta Sci. Math. (Szeged) **41**, (1979).

Characterizations of arithmetical varieties, Algebra Universalis **9**, (1979).

Polynomial interpolation and the Chinese Remainder Theorem for algebraic systems, with K.A. Baker, Math. Zeitschrift **143**, (1976).

Completeness in arithmetical algebras, Algebra Universalis **2**, (1972).

Local weak independence and primal algebra theory, Boll. Un. Mat. Italiano (4), **5**, (1972).

Local Malcev conditions, Canad. Math. Bull. **15**, (1972).

The ternary discriminator function in universal algebra, Math. Annalen **191**, (1971).

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Semi-categorical algebras II, with A. L. Foster, Math. Zeitschrift **85**, (1964).

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Distributivity and permutability of congruence relations in equational classes of algebras, Proc. Amer. Math. Soc. **14**, (1963).

2 Books

Applied Linear Algebra (undergraduate text), Univ. Press of Amer., 1980.

Polynomial Completeness in Algebraic Systems, with Kalle Kaarli, Chapman & Hall, 2001.

Topics in Discrete Mathematics (undergraduate text), Available in PDF format at <http://www.math.hmc.edu/people/pixley/>.