

Representative publications
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1 Research papers

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).

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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).

Functionally complete algebras generating distributive and permutable classes, Math. Zeitschrift **114**, (1970).

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

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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/>.