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Abstracts of Short Communications and Posters

Section:

2. Algebra

1991 MS Classification: 06
Goldstern, Martin, Technische Universitaet Wien, Austria
Interpolation of monotone functions in lattices
Let L be an infinite lattice. Every lattice-theoretic polynomial p(x) induces a monotone function from L to L. In which lattices is it true that every monotone function from L to L is represented or at least "approximated" (in a suitable topology) by a polynomial?
I will try to give some background and discuss old and recent results.