

Generalized quasiorders for maximal clones

Danica Jakubíková-Studenovská (Košice)
Reinhard Pöschel (Technische Universität Dresden)
Sándor Radeleczki (University Miskolc)
`reinhard.poeschel@tu-dresden.de`

It is well-known that a function f preserves an equivalence or a quasiorder relation ϱ if (and only if) each unary polynomial function preserves ϱ which can be obtained from f by substituting constants at all but one arguments. Thus the polymorphism clone $\text{Pol } \varrho$ is completely determined by the endomorphism monoid $\text{End } \varrho$. *Generalized quasiorders* are higher-ary relations with the same property. We describe the generalized quasiorders of (almost all) maximal clones on a finite set.