Compatible quasiorders of (monounary acyclic) algebras

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Quasiorders are reflexive and transitive relations. In this talk the structure of the lattice of compatible quasiorders of an algebra is discussed. In case of monounary acyclic algebras more detailed results can be given, e.g. how a given compatible partial order is related to the intersection of all its linear extensions.

This is a joint work with D. JAKUBÍKOVÁ-STUDENOVSKÁ and S. RADE-LECZKI.