

## Congruence preserving functions on distributive lattices I

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In a joint project with M. Ploščica we initiate a problem of describing the congruence-preserving functions of an algebra in a given (favourite) variety. We describe the congruence-preserving functions of an arbitrary algebra in the variety of bounded distributive lattices  $\mathcal{D}_{01}$  and the varieties of distributive lattices with one bound  $\mathcal{D}_0$  and  $\mathcal{D}_1$ . We also present a partial solution in the non-bounded case which will be completed in a continuation of this talk by M. Ploščica.