On holographic structures

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Abstract: Roughly speaking, holographic structures are structures that can be characterized by its finite fragment that can be spreaded to the whole structure by means of some class of morphisms (automorphisms and embeddings). In the talk, some general properties of holographic and weakly holographic structures are presented. We also give descriptions of such structures in the classes of linear orders, Boolean algebras, Abelian groups, fields, and equivalences.