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### *Localification procedure for affine systems*

In 1989, S. Vickers introduced the notion of *topological system* as a common framework for both topological spaces and the underlying algebraic structures of their topologies – locales. He showed that the category of locales (resp. topological spaces) is isomorphic to a full (resp. co)reflective subcategory of the category of topological systems, which provided the so-called system *localification* (resp. *spatialization*) procedure. In 1996, Y. Diers introduced the concept of *affine set*, which included topological spaces as a particular example. Additionally, there exists the notion of *affine system*, which extends the topological systems of S. Vickers, and also the state property systems of D. Aerts. The category of affine sets is isomorphic to a full (regular mono)-coreflective subcategory of the category of affine systems. This talk exhibits a necessary and sufficient condition for the dual category of the variety of algebras, which underlies affine sets, to be isomorphic to a full reflective subcategory of the category of affine systems, which (in general) is neither mono- nor epi-reflective. As a consequence, one arrives at a restatement of the *sobriety-spatiality equivalence* for affine sets, which is patterned after the equivalence between the categories of sober topological spaces and spatial locales.

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