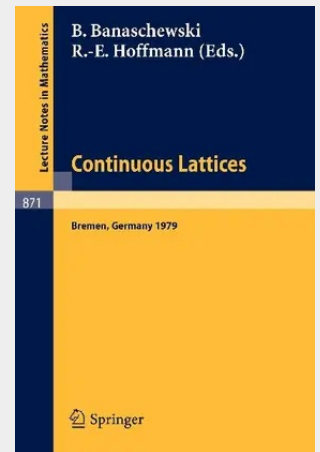


Continuous Lattices

Proceedings of the Conference on Topological and Categorical Aspects of Continuous Lattices (Workshop IV) Held at the University of Bremen, Germany, November 9-11, 1979

Coherent frames.- The duality of distributive ω -continuous lattices.- Verfeinerungs- und Kürzungssätze für Produkte geordneter topologischer Räume und für Funktionen (-halb-) verbände.- A completion - invariant extension of the concept of continuous lattices.- Scott convergence and Scott topology in partially ordered sets II.- Continuous ideal completions and compactifications.- Projective sober spaces.- Continuous posets, prime spectra of completely distributive complete lattices, and Hausdorff compactifications.- Local compactness and continuous lattices.- The spectrum as a functor.- Function spaces in the category of locales.- Scott is not always sober.- Injective toposes.- A motivation and generalization of Scott's notion of a continuous lattice.- Propaedeutic to chain-complete posets with basis.- Z-Continuous algebras.- "Continuity" properties in lattices of topological structures.- Fundamental congruences on Lawson semilattices.- Wadge reducibility and Hausdorff difference hierarchy in $P^?$.- Scott convergence and Scott topology in partially ordered sets I.- Dedekind complete posets and Scott topologies.- Algebraic theories of continuous lattices.

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