Topologizing the Space of Minimal Primes of an M-Frame

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An M-frame is an algebraic frame possessing a unit and satisfying the Finite Intersection Property. Given an M-frame, call it L, we can topologize the set of minimal prime elements of L, which we will denote by $\operatorname{Min}(L)$. One such way we could topologize $\operatorname{Min}(L)$ is with the Zariski topology as is done with the prime ideals of a commutative ring. The other is the inverse topology which has a similar construction to that of the Zariski topology. Our aim in this talk to is to study these topological spaces and the interplay that exists between the topological properties of $\operatorname{Min}(L)$ and the frame-theoretic properties of L.

Keywords: Prime elements, compact elements, algebraic frame, hull-kernel topology, inverse topology