

Algebra Seminar

Title: Topologizing the Space of Minimal Primes of an M-Frame

Speaker: Albert Madinya

Time and Venue: 2/15/2023 at 4 pm, in SE 215.

Abstract: 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 $\text{Min}(L)$. One such way we could topologize $\text{Min}(L)$ 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 is to study these topological spaces and the interplay that exists between the topological properties of $\text{Min}(L)$ and the frame-theoretic properties of L .