Zero-divisor graph of content algebras

Peyman Nasehpour¹

In this talk, we prove that in content extensions minimal primes extend to minimal primes and discuss zero-divisors of a content algebra over a ring who has Property (A) or whose set of zero-divisors is a finite union of prime ideals. We also examine the preservation of diameter of zero-divisor graph under content extensions.

¹School of Mathematics, Institute for Research in Fundamental Sciences (IPM), nasehpour@gmail.com