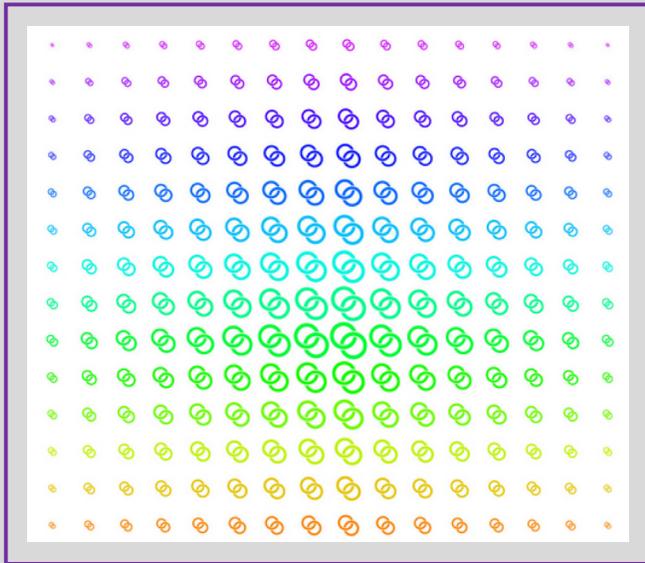


UCCS Department of Mathematics
Math MSc Defense

JACOB KARN
UNIVERSITY OF COLORADO AT COLORADO SPRINGS



DATE:

JULY 18, 2018

TIME:

4:30PM-5:30PM

LOCATION:

ENGINEERING
ROOM #239

**Rings whose Prime Spectrum has Certain
Arithmetical Closure Properties**



Abstract: In this thesis, we consider two questions. First, let R be a commutative ring with identity. Suppose the prime ideals of R are closed under multiplication. What does this condition imply about the ideal structure of R ? Dually, suppose instead that the nonprime ideals of R are closed under addition. Again, how does this condition influence the ideal structure of R ? We give partial answers to these questions, and also indicate potential directions for deeper investigations.

For More Information please contact the UCCS Math Department at
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