

1125-VA-1841 **Grace McClurkin*** (mcclurkin@math.utk.edu). *Extensions of the Congruence-based Zero-divisor Graph*. Preliminary report.

In this talk, I will extend the idea of the congruence-based zero-divisor graph, first introduced by Anderson and Lewis (2016), to other variations of the zero-divisor graph, such as the annihilator graph and the extended zero-divisor graph. In addition to defining the congruence-based graphs, examples and properties of these graphs will be examined. (Received September 19, 2016)