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Grace E McClurkin* (mike@math.utk.edu) and **D Anderson**. *Extensions of the Congruence-based Zero-divisor Graph*. Preliminary report.

In this talk, I will extend the idea of 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 January 14, 2017)