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Michael Axtell, Nicholas Baeth and Joe Stickles* (jstickles@millikin.edu). *Graphical Representations of Factorizations in Commutative Rings.*

We survey the recent and active area of irreducible divisor graphs of commutative rings. Notable algebraic and graphical results are given, and alternate constructions for irreducible divisor graphs and higher dimensional analogs are explored. (Received December 31, 2013)