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Janet Vassilev* (jvassil@math.unm.edu), Department of Mathematics and Statistics, Albuquerque, NM 87131. *How Lattice Structure determines algebraic structure on the set of closure operations*. Preliminary report.

In this talk, we will compare different types of closure operations defined on a commutative ring and see how the lattice structure of the set of ideals affects the algebraic structure on the set of such closure operations. (Received January 25, 2019)