1150-16-553 **Emma Previato*** (ep@bu.edu), Dept of Mathematics and Statistics, Boston University, Boston, MA 02215. *Commutative subalgebras of Weyl algebras.*

The Weyl algebra is also known as the symplectic Clifford algebra, connecting to supergeometry. Our focus is on a classification of its commutative subalgebras, which is not known. We use results of algebraic geometry to create a computational means of finding generators for commutative subalgebras that are centralizers, using an idea due to J. Dixmier. S. Rueda and M.A. Zurro are collaborators on this work. (Received July 16, 2019)