1088-14-251 **Mathias Lederer** and **Jenna Rajchgot*** (rajchgot@umich.edu). *Doubly universal Gröbner bases.*

A universal Gröbner basis of an ideal in a polynomial ring is a finite set of polynomials which is a (non-reduced, non-minimal) Gröbner basis for *every* monomial order. In this talk, I'll explain a way to generalize this notion from ideals in a polynomial ring to an ideal sheaf defining the universal family over a Hilbert scheme, and I'll explicitly describe the form of such a universal Gröbner basis. I'll end by discussing a few applications, which should serve as motivation for the construction.

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