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Gregory Burnham, Zvi Rosen and **Jessica Sidman*** (jsidman@mtholyoke.edu), Department of Mathematics and Statistics, Mount Holyoke College, South Hadley, MA 01075, and **Peter Vermeire**. *Line arrangements modeling curves: equations and syzygies*. Preliminary report.

In this talk we will discuss connections between the combinatorics of certain line arrangements that model high degree smooth curves embedded in projective space and the ideal of the arrangement. We will also discuss the higher dimensional subspace arrangements that arise as secant varieties of line arrangements. (Received February 15, 2011)