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**Dennis S. Keeler\*** ([keelerds@muohio.edu](mailto:keelerds@muohio.edu)), Dept of Mathematics and Statistics, Miami University, Oxford, OH 45056. *Vanishing theorems in noncommutative projective geometry*. Preliminary report.

We discuss some new vanishing theorems in algebraic geometry. While these theorems are purely commutative, they are used to study noncommutative geometry. (Received September 20, 2005)