

1100-16-224

F. M. Bleher (frauke-bleher@uiowa.edu), **T. Chinburg** (ted@math.upenn.edu) and **B. Huisgen-Zimmermann*** (birge@math.ucsb.edu). *Linear operators annihilating each other.*

Let V be a finite dimensional vector space over an algebraically closed field K , and r a positive integer. We determine the irreducible components of the variety of r -tuples (T_1, \dots, T_r) of linear operators $T_j \in \text{End}_K(V)$ which have the property that $T_i T_j = 0$ for all $i, j \in \{1, \dots, r\}$. Our main theorem generalizes results by Donald-Flanigan and K. Morrison. (Received February 08, 2014)