1145-13-1504   **Robert Huben*** (`rhuben@huskers.unl.edu`). *A Recursive Technique for finding Betti Decompositions of Complete Intersections.*

Certain algebraic objects known as Betti diagrams can be decomposed into a linear combinations of "pure diagrams" through a greedy algorithm. In this talk, I will discuss my research experience as an undergraduate overseen by Dr. Gibbons, and the recursive method we found that provides an alternative decomposition algorithm in certain circumstances. (Received September 22, 2018)