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**Andrew Berget\*** ([berget@math.umn.edu](mailto:berget@math.umn.edu)), School of Mathematics, University of Minnesota, Minneapolis, MN 55455. *Representations generated by decomposable tensors.*

This talk will be about the general linear group representation generated by a decomposable tensor  $v_1 \otimes \cdots \otimes v_n$ . The irreducible decomposition of this representation holds subtle information about the vector configuration  $(v_1, \dots, v_n)$ . I will discuss which aspects of this representation are known to be determined by the matroid of the vector configuration, and which aspects are more difficult to understand. (Received August 06, 2008)