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**Alex Fink\*** ([arfink@ncsu.edu](mailto:arfink@ncsu.edu)) and **Andrew Berget**. *Orbits of projective point configurations*. Preliminary report.

Given an  $r \times n$  matrix, thought of as representing  $n$  points in projective  $(r - 1)$ -space, we consider the closure of the orbit of all projectively equivalent matrices. I will describe the equations cutting out this variety, and their relation to the matroid of the point configuration. (Received January 10, 2012)