1043-14-32   **David R Finston*** (`dfinston@nmsu.edu`), Department of Mathematical Sciences, New Mexico State University, Las Cruces, NM 88003, and **James K Deveney** (`jdeveney@vcu.edu`), Department of Mathematics and, Applied Mathematics, Virginia Commonwealth University, Richmond, VA 23284. *Proper algebraic actions of the additive group on complex four space.* Preliminary report.

Fixed point free algebraic actions of the additive group on complex affine spaces in dimensions up to three are known to be conjugate to translations. There are fixed point free actions on complex four space that are not even locally conjugate to translations. All known examples are improper, but there are proper actions on complex five space that are not locally translations. The conjecture that proper triangular actions on complex four space are global translations will be discussed and proofs will be given for some cases. (Received July 24, 2008)

1