1043-19-148 Vigleik Angeltveit, Teena M Gerhardt\* (tgerhard@indiana.edu) and Lars Hesselholt.

Algebraic K-theory of the dual numbers. Preliminary report.

Nearly 30 years ago, Soulé showed that the abelian group  $K_n(\mathbb{Z}[x]/x^2,(x))$  is finitely generated with rank 0 if n is even and 1 if n is odd. We show that  $K_{2i+1}(\mathbb{Z}[x]/x^2,(x)) \cong \mathbb{Z}$ , and that  $|K_{2i}(\mathbb{Z}[x]/x^2,(x))| = (2i)!$  Further, we generalize these results to the study of the algebraic K-theory of truncated polynomial algebras,  $K_n(\mathbb{Z}[x]/x^e,(x))$ . (Received August 25, 2008)