1044-19-190 **Vigleik Angeltveit**, **Teena 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 September 01, 2008)