1125-03-2232 **William C. Calhoun*** (wcalhoun@bloomu.edu), Department of Math. & Digital Sciences, 400 East Second Street, Bloomsburg, PA 17815. *Strongly nontrivial minimal Turing degrees.* Preliminary report.

The complexity of a set of natural numbers A can be measured by the growth rate of $K(A \upharpoonright n)$, where K is Kolmogorov complexity and $A \upharpoonright n$ is A restricted to n. An order function is a nondecreasing unbounded function. We define K_{order} to be the collection of sets A such that $K(A \upharpoonright n)$ is bounded by $p(K(n))$ for some order function p. We say that a set is strongly nontrivial if it is not a member of K_{order}. Using a modification of the Sack's minimal degree construction, we show there is a strongly nontrivial Δ^0_2 set of minimal Turing degree. (Received September 20, 2016)