1127-03-122 **Athipat Thamrongthanyalak*** (thamrongthanyalak.1@osu.edu), 231 West 18th Avenue, Columbus, OH 43210. *D-minimal expansions of the real field have the C^p zero set property.*

If $E \subseteq \mathbb{R}^n$ is closed and the structure $(\mathbb{R}, +, \cdot, E)$ is d-minimal (that is, in every structure elementarily equivalent to $(\mathbb{R}, +, \cdot, E)$, every unary definable set is a disjoint union of open intervals and finitely many discrete sets), then for each $p \in \mathbb{N}$, there exist C^p functions $f\colon \mathbb{R}^n \to \mathbb{R}$ definable in $(\mathbb{R}, +, \cdot, E)$ such that E is the zero set of f. This is a joint work with Chris Miller. (Received January 29, 2017)