1030-37-306 **Keith Burns*** (`burns@math.northwestern.edu`), Department of Mathematics, Northwestern Unviversity, Evanston, IL 60208, and **Federico Rodriguez Hertz**, **Jana Rodriguez Hertz**, **Raul Ures** and **Anna Talitskaya**. *Density of accessibility for partially hyperbolic diffeomorphisms with one dimensional center.*

We have shown that stable accessibility property is C^r-dense among partially hyperbolic diffeomorphisms with one-dimensional center bundle, for $r \geq 2$, volume preserving or not. This answers a conjecture by Pugh and Shub for these systems. The argument is based on earlier work of Federico and Jana Rodriguez Hertz and Raul Ures, who considered the volume preserving case. (Received August 06, 2007)