1077-55-1647   **Mark J Behrens*** (`mbehrens@math.mit.edu`), MIT Dept of Mathematics, Rm 2-273, 77 Massachusetts Ave, Cambridge, MA 02139. *Morava E-theory of the Goodwillie tower.*

We will describe the Morava E-theory of the layers of the Goodwillie tower of the identity evaluated on odd spheres in terms of a modular isogeny complex. The E-homological behavior of attaching maps between layers will also be discussed. This is joint work with Charles Rezk. (Received September 20, 2011)