1135-37-181 **Joseph H Silverman*** (jhs@math.brown.edu), Mathematics Department, Brown University, 151 Thayer Street, Providence, RI 02912, and **Adriana Salerno**, Department of Mathematics, Bates College, Lewiston, ME 04240. *Böttcher coordinates for one-dimensional superattracting germs over nonarchimedean fields.* Preliminary report.

Let R be a ring of characteristic 0 with field of fractions K, and let $m \geq 2$. The Böttcher coordinate of a power series $\varphi(x) \in x^m + x^{m+1}R[\![x]\!]$ is the unique power series $f_\varphi(x) \in x + x^2K[\![x]\!]$ satisfying $\varphi \circ f_\varphi(x) = f_\varphi(x^m)$. In this paper we study integrality properties of the coefficients of $f_\varphi(x)$, both for their intrinsic interest and for potential applications to p-adic dynamics. (Received August 07, 2017)