1067-13-491   **Ian M. Aberbach** and **Aline Hosry*** (`aline.hosry@mail.mizzou.edu`), 202 Math Sciences Building, Department of Mathematics, University of Missouri, Columbia, MO 65211. *Coefficient theorems of Briançon-Skoda type.* Preliminary report.

Let (R, m) be a Noetherian local ring, $I \subseteq R$ an ideal of analytic spread ℓ and let $J \subseteq I$ be a reduction of I. When R is a "nice" ring, the Briançon-Skoda Theorem implies that $\overline{I^\ell} \subseteq J$. Hence any element of $\overline{I^\ell}$ is a linear combination of the generators of J with coefficients in R. Under certain hypotheses, one can get some information on those coefficients, or show that there exists $k < \ell$ with $\overline{I^k} \subseteq J$. In this talk, we will survey several results in this direction and show that some previous work can be improved. (Received September 06, 2010)