THE BRIANÇON-SKODA THEOREM ON A SINGULAR SPACE

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Let Z be a germ of a (reduced) analytic space of pure dimension. I will present an analytic proof of the uniform Briançon-Skoda theorem for the local ring $\mathcal{O}_Z$; this result was previously proved by Huneke by purely algebraic methods. For ideals with few generators we also get sharper results. This is a joint work with H. Samuelsson and J. Sznajdm.