

ERRATUM FOR “ASCENT OF FINITE COHEN-MACAULAY TYPE”

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In the proof of Proposition 1.6, we quote [DI, II.7.1]. Unfortunately, that result is for algebras of finite type over R (which is not often the case for the Henselization!). The argument is easily fixed as follows: Since R^h is a direct union of étale neighborhoods of R (see [I]), the finitely generated R^h -module X is defined over some étale neighborhood S . That is, there is a finitely generated S -module X_0 such that $X \cong R^h \otimes_R X_0$. Since $R \rightarrow S$ is unramified [I], the “diagonal” surjection $S \otimes_R S \rightarrow S$ splits as $S \otimes_R S$ -bimodules. It follows that $X_0 \mid S \otimes_R X_0$ as an S -module (where the S action comes from the action on S , not on X_0). Applying $R^h \otimes_S -$, we see that $X \mid R^h \otimes_R X$, and now the proof proceeds exactly as in the paper.

REFERENCES

- [DI] F. DeMeyer and E. Ingraham, *Separable Algebras over Commutative Rings*, Lecture Notes in Mathematics, vol. 181, Springer-Verlag, Berlin, 1971.
- [I] Birger Iversen, *Generic Local Structure of the Morphisms in Commutative Algebra*, Lecture Notes in Mathematics, vol. 310, Springer-Verlag, Berlin, 1973.