

COMMENTS ON “CATEGORIES OF LOG SCHEMES WITH ARCHIMEDEAN STRUCTURES” (LATEX VERSION)

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October 2014

(1.) The content of

- Theorem 3.1;
- Proposition 4.3;
- Proposition 4.4

of the present paper depend on the portions of the theory of [LgSch], §2, that are *in error* [cf. [MnLgSch], Example 0.3; [MnLgSch], Remark 1.4.1, for more details]. In particular, these errors in [LgSch], §2, affect the *proof* — although *not the validity!* — of the *main theorem* of the present paper [i.e., Theorem 5.1]. This result Theorem 5.1 is given a *correct proof* in [MnLgSch], §4 [cf. [MnLgSch], Theorem 4.8, (iv)]. Finally, we remark that, at the level of *main results* of papers of the author *subsequent* to [LgSch], the *only place* where the errors in the theory of [LgSch], §2, have an affect is in the present paper, as discussed above. More details on the affected portions of the present paper, as well as of [LgSch], may be found in the Appendix to [MnLgSch].

Bibliography

[LgSch] S. Mochizuki, Categorical representation of locally noetherian log schemes, *Adv. Math.* **188** (2004), pp. 222-246.

[MnLgSch] S. Mochizuki, Monomorphisms in Categories of Log Schemes, preprint.