

# COMMENTS ON “THE GEOMETRY OF FROBENIoids I”

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(1.) In Definition A.1 of the Appendix: The phrase “*isomorphism classes* of morphisms” in line 4 should read “*isomorphism classes* of 1-morphisms”. The phrase “*coarsification* of  $\mathcal{C}$ ” in line 5 should read “*coarsification* of  $\mathcal{D}$ ”.

(2.) The hypothesis that the Frobenioids under consideration be of “*unit-profinite type*” in Proposition 5.6 — hence also in Corollary 5.7, (iii) — may be *removed*. Indeed, if, in the notation of the proof of Proposition 5.6, one writes  $\phi'_p = c_p \cdot \phi_p$ , where  $c_p \in \mathcal{O}^\times(A)$ , for  $p \in \mathfrak{Primes}$ , then one has

$$\begin{aligned} c_2 \cdot c_p^2 \cdot \phi_2 \cdot \phi_p &= c_2 \cdot \phi_2 \cdot c_p \cdot \phi_p = \phi'_2 \cdot \phi'_p = \phi'_p \cdot \phi'_2 \\ &= c_p \cdot \phi_p \cdot c_2 \cdot \phi_2 = c_p \cdot c_2^p \cdot \phi_p \cdot \phi_2 = c_p \cdot c_2^p \cdot \phi_2 \cdot \phi_p \end{aligned}$$

— so  $c_2 \cdot c_p^2 = c_p \cdot c_2^p$ , i.e.,  $c_p = c_2^{p-1}$ , for  $p \in \mathfrak{Primes}$ . Thus,  $\phi'_p = c_2^{-1} \cdot \phi_p \cdot c_2$ , so by taking  $u \stackrel{\text{def}}{=} c_2^{-1}$ , one may *eliminate the final two paragraphs* of the proof of Proposition 5.6.