

## Corrections to “Lecures on Motivic Cohomology”

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These are the corrections we are aware of.

p.5, Lemma 1.7:  $Y$  must be normal, in order to cite 1.6.

p.16, line 8:  $(X \times$  should be  $(X_1 \times$

p.17, 2nd to last line in the proof of 2.16:  $(1 \times i_0)$  and  $(1 \times i_1)$  should be  $(i_0 \times 1)$  and  $(i_1 \times 1)$ .

p.18, Figure 2.1: it is correct as is, but would look better if it were flipped about a horizontal axis.

p.23 line -2: ‘presheaves with transfers:’ should be ‘presheaves:’

p.26 line 17: ‘ $D(f) = Z$ ’ should be:  $D(f) = Z + C \times \mathbb{A}^1$  for a divisor  $C$  on  $X$

p.26 line -12: ‘exercise 1.13’ should be ‘Example 2.4’ [since  $\mathcal{O}^*(X) \subset k(X)^*$ ]

p.27 Corollary 4.8: The hypothesis  $1/l \in k$  should be added

p.28 line -2: ‘ $p$ ’ should be ‘fppf’

p.29 line 12: ‘[NS89]’ should be ‘[NS89] and [T92]’

p.32 line 13: the first  $1 - x$  should be  $1 - y$  in this display

p.33 lines -17,-6: ‘5.3(3)’ and ‘(3) of 5.3’ should be ‘5.3(5)’ and ‘(5) of 5.3’

p.33 line -3:  $t_E \neq 0$  should be  $t_E = 0$

p.39 line 4: ‘is also defined’ should be ‘is always defined and is a sheaf’

p.40 line -17: If  $U \rightarrow X$  is a Nisnevich covering, the proof shows

p.45 lines 4, 7:  $H^i$  should be  $H_{\text{et}}^i$  twice

p.51 line -4:  $\pi_*\pi^*(F)$  should be  $\pi^*\pi_*(F)$

p.56 Example 8.4: If  $\mathcal{A}$  is the category of finitely generated free  $S$ -modules over a commutative ring  $S$ ,  $R(\mathcal{A})$  is equivalent to the category of all  $R \otimes S$ -modules. The presheaf ... (The rest of the example is OK.)

p.57 line -15: complexes of additive presheaves

p.57 Definition 8.9: Insert ‘Suppose that  $\mathcal{A}$  has diagonal maps  $\Delta : U \rightarrow U \otimes U$ .’ before ‘If  $C$  and  $D...$ ’

p.58 line 14: ‘ $)^G \neq 0$ ’ should be ‘ $)^G(l) \neq 0$ ’

p.61 line 17: this complex is *cohomologically* bounded above

p.69 line 4:  $\otimes^{tr}$  should be  $\otimes_L^{tr}$

p.70 line 15:  $C_2(F)$  should be  $C_2(F)(X)$

p.71 line 5: ‘Artin-Schrier’ should be ‘Artin-Schreier’

p.92 Exercise 12.10: remove ‘closed’ from the display on line 3.

p.117 lines 11 and 15:  $C$  should be  $K$ .

p.121 line 11:  $\mathbb{Z}(i)[i]$  should be  $\mathbb{Z}(i)[2i]$ ; on line 13,  $\mathbb{Z}(n)[n]$  should be  $\mathbb{Z}(n)[2n]$

p.167, line 13:  $\text{Hom}_{\text{Chow}}(Y, X)$  should be  $CH^{\dim Y}(X \times Y)$ .

p.167, line -5: We set  $d = \dim Y$  (not  $\dim X$ )

p.205 add reference:

[T92] B. Totaro, *Milnor K-theory is the simplest part of algebraic K-theory*, *K-Theory* **6** (1992), 177–189.

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