

Errata to *Frobenius and Hodge degeneration*¹,

and

*Frobenius et dégénérescence de Hodge*²

p. 105, line above (1.2.6): replace “of X with values in ...” by “of \mathcal{O}_X with values in”

p. 110, in 2.8, l. 3 above the diagram: replace “the s_i 's ($1 \leq i \leq n$)” by “the s_i 's ($1 \leq i \leq r + n$)”

[PS] p. 124: same correction

p. 113, l. 4: replace “isomorphisms” by “isomorphic”

p. 118: in the top right corner of the diagram, replace F_{0*} by F_*

[PS], p. 133: same correction

p. 118, l. -6, the right hand side of the formula should be $a_2 + b_2 + p^{-1}(a_1^p + b_1^p - (a_1 + b_1)^p)$

[PS], p. 133, l. -2: same correction

p. 121, l. 9 from 4.4: replace “where u is the cone” by “where $C(u)$ is the cone”

[PS], p. 136, l. 9 from 4.4: same correction

p. 121, l. -7: replace $L^{i-1}/B^i L$ by $L^{i-1}/B^{i-1} L$

[PS], p. 137, l. 7: same correction

p. 125, l. 8: replace $X \xrightarrow{F} Z \hookrightarrow Z'$ by $X \xrightarrow{F} X' \hookrightarrow Z'$

[PS] p. 141, l. 9: same correction

p. 125, l. -9: in the formula for h_{ij} , the right hand side should be $F_* \mathcal{O}_{X|U_{ij}}$

p. 126, l. -1: the term under the summation sign should be $\text{sgn}(\sigma) \omega_{\sigma(1)} \otimes \cdots \omega_{\sigma(i)}$

[PS] p. 143, l. 6: same correction

p. 128, in Theorem 5.8: replace “Let k be a field” by “Let k be a perfect field”

[PS] p. 145, same correction

p. 128, l. -1: in formula (**), the middle term should be $F_*(F^* M' \otimes \Omega_{X/k}^i)$

p. 132, l. 1: replace “projective” by “inductive”; l. 2, in (6.1.3), replace proj lim by ind lim

[PS], p. 149, l. 4 : replace “projectif” by ”inductif”; l. 5, in (6.1.3), replace lim proj by lim ind

p. 134, l. 4: replace “By 6.1.2” by “By 6.11 (a) below”

[PS], p. 151, l. 13: replace “Par 6.1.2” by “Par 6.11 (a) ci-après”

¹in *Introduction to Hodge Theory*, J. Bertin, J.-P. Demailly, L. Illusie, and C. Peters, eds., SMF/AMS Texts and monographs 8, 2002, 99-149.

²in *Introduction à la théorie de Hodge*, J. Bertin, J.-P. Demailly, L. Illusie, et C. Peters, eds., Panoramas et Synthèses 3, SMF, 1996, 113-168, cited [PS].

[PS] p. 124: in the diagram, the right vertical arrow should be labeled s , not f

[PS] p. 129, l. 2 above 3.3: replace $0 \leq m < p - 1$ by $0 \leq m \leq p - 1$

I thank Matthieu Rambaud and Zhangchi Chen who pointed out to me most of the typos listed above.