

## LIST OF MISPRINTS AND ERRORS

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The following is a list of misprints/errors found in the printed version of the book *Intersection Homology & Perverse Sheaves, with Applications to Singularities*, published in the series Graduate Texts in Mathematics, Vol. 281, Springer, 2019; ISBN: 978-3030276430. This list will be updated regularly, as needed.

- *Page 107, line -5*: remove “trivial” from the second line of Example 6.5.4; this is about the more general “normally nonsingular” inclusions.
- *Page 141, Proposition 8.4.5*: the pushforward appearing in the formula should be derived, i.e.,

$$v_*\mathcal{G}^\bullet = \tau_{\leq -\ell-1}Rv_*\mathcal{G}^\bullet$$

- *Page 146, Example 8.6.4*: Replace  $Rj_!$  by  $j_!$ .
- *Page 150, lines 4 and 10*: Replace “Theorem 8.6.6” by “Corollary 8.6.6”.
- *Page 163, line 1*: one should replace  $f_*IC_X$  by  $Rf_*IC_X$  in formula (9.12).
- *Page 163*: Example 9.3.30 is stated somewhat vaguely. The variety  $F$  should be assumed compact so that the projection map is proper, and the desired Künneth formula holds in intersection cohomology.
- *Page 182, lines -7 and -6*: replace  $x_1$  by  $x_0$ , so that the coordinates on  $\mathbb{C}^{n+1}$  are  $x_0, \dots, x_n$ .
- *Page 182, line -6*: the explanation after formula (10.1) contains an error: “analytic function germs at  $0 \in \mathbb{C}^{n+1}$ ” should be replaced by “analytic function germs defined at  $x \in \mathbb{C}^{n+1}$ ”.
- *Page 188*: in the diagram of Corollary 10.1.20, the two horizontal arrows should be labelled as isomorphisms.
- *Page 193, line 1*: “Example 10.29” should be replaced by “Example 8.3.4”.
- *Page 197*: two lines above the diagram, the restriction of  $f$  to  $X^*$  should be denoted by  $f^* : X^* \rightarrow D^*$  (instead of  $f : X^* \rightarrow D^*$ ), as it already appears in the diagram.
- *Page 217, line -4*: “Corollary 7.12” should be replaced by “formula (7.12)”.
- *Page 217, line 5*:  $i^![2]\mathcal{F}^\bullet$  should read as  $i^!\mathcal{F}^\bullet[2]$ .
- *Page 217, line -4*:  $Perv(X)$  should be replaced with  $Perv(f^{-1}(0))$ .
- *Page 218, line -6*:  $i^![2]\mathcal{F}^\bullet$  should read as  $i^!\mathcal{F}^\bullet[2]$ .
- *Page 219, lines 1-3*: Remove “In the category  $Perv(X)$ ”, and delete the parentheses around  $\mathcal{F}^\bullet$  on all four instances.
- *Page 234*: in the second part of (11.6) replace  ${}^p\phi_g$  by  ${}^p\varphi_g$ .

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- *Page 234*: in Theorem 11.2.17 the definition of the gluing correspondence should be corrected as:

$$\mathcal{M} \mapsto (\mathcal{M}|_U, \varphi_{g,1}^H \cdot \mathcal{M}, \text{can}, \text{Var})$$

- *Page 246, lines 15, 16, 21*:  $\varphi_f^H \mathbb{Q}_{\mathcal{M}}^H[\dim \mathcal{M}]$  should be replaced by  $\varphi_f^H \mathbb{Q}_X^H[\dim X]$ .

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