

The following are edits that apply to both the first hardcover printing (the version posted electronically on 18 October 2004, but no longer available electronically) as well as the first softcover printing: [This list was last updated 30 July 2005.]

Chapter 2

- page 35, proof of Lemma 2.25, line 1

“The prove is” should be

“The proof is”

Chapter 3

- page 43, proof of Proposition 3.2, line 2

the exponent on y should be b_{i+1} instead of $b_i + 1$.

- page 59, part (a) of Exercise 3.15, line 3

“unviate” should be

“univariate”

- page 59, part (c) of Exercise 3.15

the display should read

$$y^b m \mapsto \begin{cases} (b-1, x_j \cdot m) & \text{if every } m_i \text{ dividing } m \text{ is divisible by } x_j^a \\ (b, m) & \text{otherwise} \end{cases}$$

Chapter 4

- page 72, line 1

“ $t \geq 1$ ” should be “ $t > 1$ ”

- page 74, line 8

“ $t^{\mathbf{a}} \cdot \mathbf{v}$ ” should be “ $t^{\mathbf{c}} \cdot \mathbf{v}$ ”

Chapter 5

- page 102, Definition 5.60 (i.e., line -4 of the page)

“ $p - q \geq i - j$ ” should be “ $q - p \geq j - i$ ”

Chapter 8

- page 154, Lemma 8.16

There should be no \square at the end of the Lemma.

Chapter 12

- page 245, Exercise 12.1, line 1

“example of lattice polytope” should be
“example of a lattice polytope”

Chapter 13

- page 258, Corollary 13.26, line 3
“ $H_m^i(\mathbb{k}[Q])_{\mathbf{b}} = H^i(\nabla_Q(\mathbf{b}); \mathbb{k})$ ” should be
“ $H_m^i(\mathbb{k}[Q])_{\mathbf{b}} = H^{i+\dim \mathcal{P}-\dim Q}(\nabla_Q(\mathbf{b}); \mathbb{k})$ ”
- page 259, Example 13.27, last two lines
“ $H_m^i(\mathbb{k}[Q])_{\mathbf{b}} = H^i(\nabla_Q(\mathbf{b}); \mathbb{k}) = \tilde{H}_{1-i}(\nabla_Q(\mathbf{b})^\vee; \mathbb{k})$ is therefore \mathbb{k} if $i = 1$ ”
should be
“ $H_m^i(\mathbb{k}[Q])_{\mathbf{b}} = H^{i-1}(\nabla_Q(\mathbf{b}); \mathbb{k}) = \tilde{H}_{2-i}(\nabla_Q(\mathbf{b})^\vee; \mathbb{k})$ is therefore \mathbb{k} if $i = 2$ ”

Chapter 15

- page 308, Exercise 15.5(a), line 2
“ $\sigma_k \cdots \sigma_2 \sigma_1 v$ ” should be
“ $\sigma_{k-1} \cdots \sigma_2 \sigma_1 v$ ”

The following are edits for the hardcover printing (the version posted electronically on 18 October 2004, but no longer available electronically) that have already been corrected as of the first softcover printing:

Preface

- page vii, line -2
“can seen” should be
“can be seen”

Chapter 2

- page 29, line -5
Switch the occurrences of “ Γ ” and “ $k * \Delta$ ”
- page 30, line -3
“Therefore $i < j$ ” should be
“Therefore $i > j$ ”

Chapter 4

- page 75, line -2 of Example 4.23
“this exampls” should be “this example”

Chapter 5

- page 101, two lines before Theorem 5.53

Two occurrences of “Chapter 13.4” should both be “Section 13.5”

- page 101, definition of regularity

“ $\sum_{j=1}^n b_i$ ” should be “ $\sum_{j=1}^n b_j$ ”

Chapter 16

- page 320, Lemma 16.22 should say the following:

Given a face $L \in \mathcal{L}_w$, there is a sequence L_0, \dots, L_m of faces of \mathcal{L}_w in which $L_0 = L$, the complement D_{L_m} is top-justified, and $D_{L_{e+1}}$ is obtained from D_{L_e} by either deleting a $+$ or performing an inverse chute.

Chapter 17

- page 342, line 9 in proof of Proposition 17.22

“ $\overline{X_{\mathbf{r}}}$ ” should be
“ $\overline{X_{v(\mathbf{r})}}$ ”

- page 344, displayed equation 5 lines before (17.10)

“ $\alpha = 1, \dots, r_i$ and $\beta = 1, \dots, r_j$ ” should be
“ $\alpha = 1, \dots, r_j$ and $\beta = 1, \dots, r_i$ ”

- page 348, line 4 (the line after the first displayed equation)

“ $\mathfrak{S}_v(\mathbf{t} - \mathring{\mathbf{t}})$ ” should be
“ $\mathfrak{S}_{v_*}(\mathbf{t} - \mathring{\mathbf{t}})$ ”

- page 352, Exercise 17.17

“the length $l(v(\mathbf{r}))$ of its Zelevinsky permutation” should be
“the difference $l(v(\mathbf{r})) - l(v_*)$ ”