## ERRATA AND ADDENDA

to

An Introduction to Hyperplane Arrangements

Park City Mathematics Series, volume 14: Geometric Combinatorics (2004)

by

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These errata are for the version published in the Park City Mathematics Series, volume 14: *Geometric Combinatorics (2004)*, available at

## www.math.umn.edu/~ezra/PCMI2004/stanley.pdf.

Most of them were found by Steven Sam. The page numbers refer to the printed page numbers of the pdf file at the above website, not the pdf page numbers.

- p. 399, end of proof. Should be  $\zeta g = f \iff g = \mu f$
- p. 412, line 3.  $(1)^k$  should be  $(-1)^k$
- p. 415, line 5–. Change the second = to -.
- p. 417, line 6. Change  $L(\mathcal{A})$  to  $L(\mathcal{A}_G)$ .
- p. 417, line 11. Insert after "sublattice" the following parenthetical statement.

(i.e., it is not true that if  $\sigma, \tau \in L_G$  then  $\sigma \wedge \tau \in L_G$  and  $\sigma \vee \tau \in L_G$ , where  $\wedge$  and  $\vee$  are computed in  $\Pi_n$ )

• p. 417, line 12. Insert after "[why?]." the following sentence:

In other words, if  $\sigma, \tau \in L_G$  then  $\sigma \lor \tau \in L_G$ , where  $\lor$  is computed in  $\Pi_n$ .

- p. 426, line 6–. Delete " $y \in S$  but".
- p. 427, line 5. Change second  $S \cup T$  to  $S \cap T$ .
- p. 431, lines 7– to 6–. Change "of the affine matroid M of Figure 1" to "of a certain affine matroid M".
- p. 432, line 6. Change i 1 to i + 1.

- p. 433, line 9. Change second  $x_1$  to  $x_2$ .
- p. 434, line 14. Change  $\cdots$  to  $\vdots$ .
- p. 439, line 10. Change  $B_l$  to  $B_k$ .
- p. 440, equation (33). Change  $\sum_{y \wedge z = \hat{0}}$  to  $\sum_{y: y \wedge z = \hat{0}}$ .
- p. 442, line 8. Change  $x\mathcal{A}$  to  $c\mathcal{A}$ .
- p. 442, lines 15–16. Should be displayed so = signs are aligned.
- p. 444, line 16. Change  $p_i(H)$  to  $(p_1(H), \ldots, p_n(H))$ .
- p. 448, part (b). Change "internal activity 0" to "internal activity 1".
- p. 451, line 4. Change  $\mathbb{F}_1^n$  to  $\mathbb{F}_q^n$ .
- p. 460, line 11. Change "intervals" to "interval".
- p. 466, Lemma 5.6, line 2. Change  $\sigma(x) = \sigma(y)$  to  $\sigma(x) = y$ .
- p. 473, Exercise 27(b). Change the rating to [3–]. A solution was found by Seunghyun Seo.
- p. 476, line 9. Change  $(c_1, \dots, c_n)$  to  $(c_1, \dots, c_n)$ .
- p. 476, line 10–. Change "is easy" to "it is easy".
- p. 476, line 1–. Change  $sep(R_0, u)$  to  $sep(R_0, R_u)$ .
- p. 478, Definition 6.15, line 2. Change "rearrangement" to "rearrangement".
- p. 481, line 2. Change "parking function" to "parking functions".
- p. 481, line 16–. Change "connect it the roots" to "connect it to the roots".
- p. 484, line 5. Change "(bbb])" to "(bbb)])".
- p. 487, line 5–. Change  $x_{d+1}$  to  $x_{d-1}$ .
- p. 490, entry (6,2) of V. Change  $a_a a_2 a_3$  to  $a_1 a_2 a_3$ .
- p. 492, Exercise 5. For a solution, see S. Sivasubramanian, Interpreting the two variable distance enumerator of the Shi hyperplane arrangement, arXiv:math/0610780.