Errata for *Axioms and Hulls*
(last updated 30 October 2020)

Page 4, line −4

$\neg tpr$ . . . is a convex $\not\rightarrow |tpr| \leq 0$ implies $|pqr| > 0$ by (1.2), so (1.3) expresses t as a convex

Page 6, line 13

(1.4)and $\not\rightarrow$ (1.4) and

Page 6, line 19

pux, pvx, pwy, qvy, qwy, quz, rwz, ruz, rvx $\not\rightarrow$ pux, pvz, pwy, qvy, qwx, quz, rwz, ruy, rvx

Page 8, equation (2.6a)

$abd, dbc, acd, abd \not\rightarrow abd, dbc, acd, abc$

Page 12, line 3

$str \vee tpq \not\rightarrow str \wedge tpq$

Page 12, line −2

tems $\not\rightarrow$ terms

Page 14, line 18

Macmahon $\not\rightarrow$ MacMahon

Page 16, line 28

labelled $\not\rightarrow$ labeled

Page 20, line 10

$(\sigma_1 \vee \cdots \vee \sigma_1) \not\rightarrow (\sigma_1 \vee \cdots \vee \sigma_k)$

Page 20, in (6.1)

$\bar{\sigma_2} \not\rightarrow \bar{\sigma}_2$

Page 21, line 1

cf_j, $'_j$, c''_j, $\not\rightarrow$ c_j, c'_j, c''_j,

Page 22, line 10

$\bar{q}rs \not\rightarrow \bar{q}r\bar{s}$

Page 23, lines 1 and 2

that when . . . we $\not\rightarrow$ that $t \in \Delta pqr$ implies $t \to p \vee q \to t$, $t \to q \vee r \to t$, and $t \to r \vee p \to t$. Hence we

Page 23, line 12

$e^{i\theta j} \not\rightarrow e^{i\theta_j}$ (twice)

Page 23, line 15

[61] $\not\rightarrow$ [68]

Page 24, line 6

$$\begin{array}{ccc} 0 \to 1 & & 0 \to 1 \\ \uparrow \not\times \uparrow & \not\rightarrow & \uparrow \not\times \uparrow \\ 4 \to 6 & & 4 \leftarrow 6 \end{array}$$

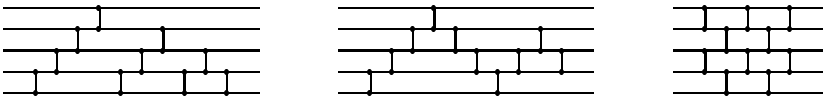
Page 25, line 3

contains $p \to q$ $\not\rightarrow$ contains $r \to p$

Page 29, line 1

adjaciences $\not\rightarrow$ adjacencies

Page 29, replacement for (8.1)



bubble cocktail-shaker odd-even (8.1)

Page 30, lines -5 and -2

(5.1) $\not\rightsquigarrow$ (5.2)

Page 37, line 16

can also be written $\not\rightsquigarrow$ leads to others such as

Page 37, in (9.7)

$(\alpha''_m + 1) \not\rightsquigarrow \alpha''_m$

Page 40, line -7

one circuit $C' \not\rightsquigarrow$ on circuit C''

Page 42, line -16

enough imply $\not\rightsquigarrow$ enough

Page 46, line 10

paths $\not\rightsquigarrow$ points

Page 46, line -5

(11.3) $\not\rightsquigarrow$ (11.4)

Page 49, line -13

afer $\not\rightsquigarrow$ after

Page 50, line 3

$pp't \not\rightsquigarrow pp't_1$

Page 50, line 6

$t_r p' t_{r-1} \not\rightsquigarrow t_{r-1} p' t_r$

Page 50, line 10

$t_3 t_2 p' \not\rightsquigarrow t_3 p' t_2$

Page 50, in (12.5)

$e_{<k} \not\rightsquigarrow e_{<j}$

Page 51, line 3

$x_{10} \not\rightsquigarrow c_{10}$

Page 53, line 1

changed $\not\rightsquigarrow$ charged

Page 57, in (14.4)

(14.4) $\not\rightsquigarrow$ (14.4)

Page 61, Step 3

$x_r - x_p \not\rightsquigarrow x_r = x_p$

[However, Lyle Ramshaw told me on 19 Nov 1993 that we can omit the clause 'or $x_p = x_q$ and $y_p = y_q$ and $x_r = x_p$ and $y_r \geq y_p$,' since a valid CC system is obtained without this complication.]

Page 64, replacement for the bottom 12 lines

if $(x < y)$	
if $(y < z)$ output (xyz)	$x < y < z$
else if $(z < y)$	
if $(x < z)$ output (xzy)	$x < z < y$
else output (zxy)	$z \leq x < y$
else output (xzy)	$x < y \leq z \leq y$
else if $(y < x)$	
if $(x < z)$ output (yxz)	$y < x < z$
else if $(y < z)$ output (yzx)	$y < z \leq x$
else output (zyx)	$z \leq y < x$
else if $(x < z)$ output (xyz)	$x \leq y \leq x < z$
else output (zyx).	$z \leq x \leq y \leq x$.

Page 72, line −11

same sign ↝ same sign as

Page 73, line 9

$\bar{a}, q, r, s\} \rightsquigarrow \{\bar{a}, q, r, s\}$

Page 73, line 24

allpoints ↝ all points

Page 78, line −10

$pt_jt_{j-1}t_{j-2} \rightsquigarrow pt_{j-1}t_{j-2}$

Page 81, line −14

1000 n-gon ↝ 10000 n-gon

Page 86, line −6

labelled ↝ labeled

Page 87, line 8

$p_1, \ldots, p_k \rightsquigarrow p_1 \ \cdots \ p_k$

Page 87, line 10

labelled ↝ labeled

Page 88, line −13

$p'_1, \ldots \ p'_{r-2} \rightsquigarrow p'_1 \ \cdots \ p'_{r-2}$

Page 91, line 8

fours ↝ form

Page 91, line 23

$t_n \rightsquigarrow t_m$

Page 91, line 27

$t_mt_{m-1}, \ldots, t_1 \rightsquigarrow (t_m, t_{m-1}, \ldots, t_1)$

Page 95, line 11

48, 50 ↝ 48, 51

Page 97, lines 15 and 16

Laffaile ↝ Laffaille (twice)

Page 100, near the top

I meant to cite also the paper by Franz Aurenhammer, "Voronoi diagrams — a survey of a fundamental geometric data structure," *ACM Computing Surveys* **23** (1991), 345–405.

Page 100, line 15

(1992) ↜ (1993)

Page 103, reference [45]

Addison-Wesley ↜ Addison–Wesley

Page 103, reference [47]

, book in preparation. ↜ (New York: ACM Press, 1994), viii + 576 pp.

Page 104, reference [59]

331-332 ↜ 331–332

Page 104, reference [61]

realisierbarkeitskriterien ↜ Realisierbarkeitskriterien
Giessen ↜ *Gießen*

Page 104, reference [71]

Eidgenossische ↜ Eidgenössische

Page 106, left column, line 1

vii ↜ vii.

Page 106, left column

Dress, Andreas ↜ Dress, Andreas Walter Martin

Page 107, left column, Lawrence entry

95 ↜ 95–96

Page 107, left column

Macmahon ↜ MacMahon

Page 108, entry for perturbations

59-60 ↜ 59–60