This is a list of all substantial corrections made to *Computers & Typesetting* from the mid-1990s until the first “Millennium edition” was published at the end of the year 2000. Corrections made to the softcover version of *The TEXbook* are the same as corrections to Volume A. Corrections to the softcover version of *The METAFONTbook* are the same as corrections to Volume C. Changes to the mini-indexes and master indexes of Volumes B, D, and E are not shown here unless they are not obviously derivable from what has been shown.

Page A3, line 14 (in certain printings only) (9/6/00)
that looks like ' or °.

Page A8, lines 14 and 15 (9/6/00)
that is not to be ignored. Notice that \i is a control sequence of the second kind, namely a control symbol, since there is a single nonletter (\) following

Page A43, line −17 (8/4/98)
into your manuscript, if the b-key on your keyboard is broken. (An optional

Page A88, lines 14, 16, 18, and 21 (8/12/00)
[Insert two blank spaces between ‘blank space’ and ‘}’]

Page A96, lines 9 and 10 (8/6/98)
Before 1998, some German words changed their spelling when split between lines. For example, ‘backen’ became ‘bak-ken’ and ‘Bettuch’ sometimes became ‘Bett-

Page A107, line 2 (8/5/98)
usually, you might be tempted to set \tolerance=10000; this allows arbitrarily bad

Page A115, line −19 (8/5/98)
If there’s no room for such an insertion on this page, TeX will insert it at the top of

Page A119, line 15 (8/5/98)
of \dimen3, assuming that \dimen3 is positive.

Page A182, middle line of the displayed commutative diagram (12/3/99)
\[
\begin{array}{cccc}
0 & \rightarrow & \mathcal{O}_C & \rightarrow \pi_*\mathcal{O}_D & \rightarrow & R^1f_*\mathcal{O}_V(-D) & \rightarrow & 0 \\
\end{array}
\]

Page A233, line −2 (8/5/98)
could avoid this by adding \hskip Opt minus-1fil; then an oversize text would
2 Bugs in Computers & Typesetting, 2000

Page A277, line 1
⟨code assignment⟩ → ⟨codename⟩⟨8-bit number⟩⟨equals⟩⟨number⟩

Page A277, line −11
[Move this line, which defines ⟨at clause⟩, up to the top of the page.]

Page A289, line 24
⟨math field⟩ → ⟨filler⟩⟨math symbol⟩ | ⟨filler⟩{⟨math mode material⟩}

Page A309, line 3
8.4. $3 x_{11} ^{−}$ $2_{12} \{ \TeX \ b_{11} \ \nu_{11} \ \cdot\cdot\cdot }$. The final space comes from the

Page A313, line 24
stands for ‘\par\vfill…’, so the next three commands are

Page A313, line 27
{vertical mode: \par}

Page A318, lines 12 and 13
15.8. \advance\dimen2 by\ifnum\dimen2<0 -\fi.5\dimen3
\divide\dimen2 by\dimen3 \multiply\dimen2 by\dimen3

Page A325, line 22
0&\mapright{}&\mathcal{O}_C&\mapright\pi\&

Page A337, line 3 from the bottom
DONALD E. KNUTH, The \TeX\book (1984)

Page A348, lines 14–16
\def\@if\{true\}{\let\#1=\iftrue}%
\expandafter\expandafter\expandafter
\def\@if\{false\}{\let\#1=\iffalse}%

Page A356, line 21
\def\AA\{\leavevmode\setbox0=\hbox{!}\dimen0=\ht0 \advance\dimen0 by-1ex
Page A464, right column (8/6/98)

Page A466, right column (8/8/98)
\getfactor, 356, 375, 398.

Page A467, right column (8/5/98)
*\hfilneg, 72, 100, 283, 285, 290, 397.

Page A469, left column (8/5/98)
italic type, 13–14, 100, 127, 165, 409, 428, 430.

Page A469–A477, passim (5/13/98)
Add page 272 to the index entries for \lastskip, \pagedepth, \pagetotal, \parshape, \prevdepth, and \spacefactor.
Also change ‘369’ to ‘370’ in the index entries for \lbrack, \lq, \rbrack, \rq, \sb, and \sp.
Also change ‘Luckombe, Philip’ to ‘Smith, John’.

Page A472, right column (8/6/98)

Page A473, left column (8/6/98)
\Orb ( © ), 356.

Page Bix, line 16 (1/16/00)
- “Word hyphenation by computer” by Franklin Mark Liang, Stan-

Page Bxiv, line 13 (4/19/96)
preprocessor converts these into numeric constants that are 256 or more. This

Page Bxiv, line –1 (4/19/96)
This file contains one line per string, starting with string number 256, then number 257,

Page Bxv, lines 10 and 11 (4/19/96)
In this case, occurrences of "" in the WEB program will be replaced by 256; occurrences of "This longer string" will be replaced by 257. The symbol @ stands for the numeric

Page B2, line –10 (3/8/95)
define banner \equiv 'This is \TeX, Version 3.14159' { printed when \TeX starts }
something in a “muskip” register, or to one of the three parameters \thinspace \texttt{\textbackslash thinmuskip}, \texttt{\textbackslash medmuskip},

\begin{verbatim}
define non_address = 0 \ { a spurious bchar_label }

\end{verbatim}

\texttt{font_params: array[internal_font_number] of font_index; \ { how many font parameters are present }}

\begin{verbatim}
glue_temp: real; \ { glue value before rounding }\end{verbatim}

\begin{verbatim}
625. define billion \equiv float_constant(1000000000)
define vet_glue(#) \equiv glue_temp \leftarrow #;
\textbf{if} glue_temp > billion \textbf{then} glue_temp \leftarrow billion
\textbf{else if} glue_temp < −billion \textbf{then} glue_temp \leftarrow −billion
\end{verbatim}

\begin{verbatim}
\texttt{(Move right or output leaders 625)} \equiv

\texttt{begin vet_glue(float(glue_set(this_box))) \ast stretch(g));}
\texttt{rule_wd \leftarrow rule_wd + round(glue_temp);} 
\texttt{end; end}
\texttt{else if shrink_order(g) = g\_order then}
\texttt{begin vet_glue(float(glue_set(this_box))) \ast shrink(g));}
\texttt{rule_ht \leftarrow rule_ht - round(glue_temp);} 
\texttt{end;}
\end{verbatim}

\begin{verbatim}
\texttt{doing_leaders \leftarrow outer\_doing\_leaders; div_v \leftarrow save_v; div_h \leftarrow save_h; cur_v \leftarrow base\_line;}
\end{verbatim}

\begin{verbatim}
glue_temp: real; \ { glue value before rounding }\end{verbatim}

\begin{verbatim}
\texttt{begin vet_glue(float(glue_set(this_box))) \ast stretch(g));}
\texttt{rule_ht \leftarrow rule_ht + round(glue_temp);} 
\texttt{end; end}
\texttt{else if shrink_order(g) = g\_order then}
\texttt{begin vet_glue(float(glue_set(this_box))) \ast shrink(g));}
\texttt{rule_ht \leftarrow rule_ht - round(glue_temp);} 
\end{verbatim}
Page B264, line 22
\[ \text{doing} \_ \text{leaders} \leftarrow \text{outer} \_ \text{doing} \_ \text{leaders}; \ \text{dwi} \_ \text{v} \leftarrow \text{save} \_ \text{v}; \ \text{dwi} \_ \text{h} \leftarrow \text{save} \_ \text{h}; \ \text{cur} \_ \text{h} \leftarrow \text{left} \_ \text{edge}; \]

Page B297, line 11
\[ \text{width} (p) \leftarrow \mu \_ \text{mult} (\text{width}(p)); \ \text{subtype} (p) \leftarrow \text{explicit}; \]

Page B309, line 7
\[ \text{if} \ \text{cur} \_ \text{style} < \text{text} \_ \text{style} \ \{ \ \text{display} \ \text{style} \} \]

Page B356, line -5
\[ \text{hang} \_ \text{after} = 1, \ \text{and} \ \text{hang} \_ \text{indent} = 0. \ \text{Note} \ \text{that} \ \text{if} \ \text{hang} \_ \text{indent} = 0, \ \text{the} \ \text{value} \ \text{of} \ \text{hang} \_ \text{after} \ \text{is} \]

Page B388, bottom line
\[ \text{if} \ \text{bchar} \_ \text{label}[h] \neq \text{non} \_ \text{address} \ \text{then} \ \{ \ \text{put} \ \text{left} \ \text{boundary} \ \text{at} \ \text{beginning} \ \text{of} \ \text{new} \ \text{line} \} \]

Page B406, line 10
\[ q \leftarrow p; \ \{ \ \text{now} \ \text{node} \ q \ \text{represents} \ p_1 \ldots p_{l-1} \} \]

Page B503, line 12
\[ \text{of} \ \text{the} \ \text{following} \ \text{procedure}. \ \text{(Exception:} \ \text{The} \ \text{tabskip} \ \text{glue} \ \text{isn’t} \ \text{trapped} \ \text{while} \ \text{preambles} \ \text{are} \ \text{being} \ \text{scanned.})} \]

Page B529, line 12
\[ \text{undump}(0)(\text{fnem} \_ \text{ptr} - 1)(\text{bchar} \_ \text{label}[k]); \ \text{undump}(\text{min} \_ \text{quarterword})(\text{non} \_ \text{char})(\text{font} \_ \text{bchar}[k]); \]

Page B531, line 2
\[ \text{from} \ \text{appearing} \ \text{again.} \]

Page B531, line 14
\[ \text{print} \_ \text{int}(\text{year}); \ \text{print} \_ \text{char}(\text{".",}); \ \text{print} \_ \text{int}(\text{month}); \ \text{print} \_ \text{char}(\text{".",}); \ \text{print} \_ \text{int}(\text{day}); \]

Page B534, insert new material between lines -16 and -15
\[ \text{while} \ \text{input} \_ \text{ptr} > 0 \ \text{do} \ \text{if} \ \text{state} = \text{token} \_ \text{list} \ \text{then} \ \text{end} \_ \text{token} \_ \text{list} \ \text{else} \ \text{end} \_ \text{file} \_ \text{reading}; \]

Page B534, line -2
\[ \text{temp} \_ \text{ptr} \leftarrow \text{cond} \_ \text{ptr}; \ \text{cond} \_ \text{ptr} \leftarrow \text{link} (\text{cond} \_ \text{ptr}); \ \text{free} \_ \text{node} (\text{temp} \_ \text{ptr}, \text{if} \_ \text{node} \_ \text{size}); \]
Page B535, line 9 (3/20/95)

\begin{verbatim}
begin init for c ← top_mark_code to split_bot_mark_code do
  if cur_mark[c] ≠ null then delete_token_ref(cur_mark[c]);
  store_fmt_file; return; tini
\end{verbatim}

Page B581, Zabala entry (8/19/00)

Zabala Salelles, Ignacio Andrés: 2.

Page C17, lines 12 and 13 (9/6/00)

\begin{verbatim}
draw z_4\{\text{curl }0\} \ldots z_2\{z_3 - z_4\} \ldots \{\text{curl }0\} z_4;
\end{verbatim}

Page C23, line −7 (8/5/98)

x_4 = ss = w - x_5; \ y_3 - y_1 = ygap

Page C69, line 17 (9/6/00)

"abra", while p_1 is '(0, 0) . . (3, 3)' and p_2 is '(0, 0) . . (3, 3) . . \text{cycle}'.

Page C94, line −11 (3/4/95)

put are assumed to have square pixels. But if, for example, the \texttt{mode_def} sets

Page C107, line 15 (3/4/95)

\begin{verbatim}
labels(1a, 1b, 2a, 2b, 3a, 3b, 4a, 4b, range 1 thru 36); endchar;
\end{verbatim}

Page C123, lines 21 and 22 (12/19/95)

\textbf{EXERCISE 14.3}

Use a rotated quarter-circle to produce ‘c’ in font position ‘c’.

Page C129, lines 6–17 (8/5/98)

\begin{verbatim}
⟨path primary⟩ → ⟨pair primary⟩ | ⟨path variable⟩
  | ( ⟨path expression⟩ )
  | \texttt{reverse} ⟨path primary⟩
  | \texttt{subpath} ⟨path expression⟩ of ⟨path primary⟩
⟨path secondary⟩ → ⟨pair secondary⟩ | ⟨path primary⟩
  | ⟨path secondary⟩⟨transformer⟩
⟨path tertiary⟩ → ⟨pair tertiary⟩ | ⟨path primary⟩
⟨path expression⟩ → ⟨pair expression⟩ | ⟨path tertiary⟩
  | ⟨path subexpression⟩⟨direction specifier⟩
  | ⟨path subexpression⟩⟨path join⟩\texttt{cycle}
⟨path subexpression⟩ → ⟨path expression⟩
  | ⟨path subexpression⟩⟨path join⟩⟨path tertiary⟩
\end{verbatim}
of $p$; if $t \leq 0$, precontrol $t$ of $p$ is $z_0$. In particular, if $t$ is an integer, postcontrol $t$ of $p$

[Remove the labels 2r, 2, and 21 below their dots.]

In order to have some transform variables to work with, it’s necessary to ‘hide’
some declarations and commands before giving the next exprs:

In order to have some transform variables to work with, it’s necessary to ‘hide’
some declarations and commands before giving the next exprs:

[Change ‘savepen’ to ‘savepen’.]

FONT’s penrazor stands for ‘makepen ((.5,0) -- (5,0) -- cycle)’, and pensquare

beaten evaluated and changed to numeric tokens before being substituted for $s$.

expand into a sequence of tokens. (The language SIMULA67 demonstrated that it is

and so on; there are lots more numbers! What does this all mean? Well, the
first segment of the curve, from (1.53745,9.05345) to (10.85147,−0.00049), has been
Cycle spec at line 15, after subdivision and autorounding:
(2,9.05348) % beginning in octant ‘SSE’
  ...controls (2,6.50526) and (3.02194,4.22272)
  ...(4.6577,2.58696) % segment 0
% entering octant ‘ESE’
  ...controls (6.2624,0.98225) and (8.45786,0)
  ...(10.85873,0) % segment 0
% entering octant ‘ENE’

Point (1.53745,9.05345), where there was a vertical tangent, has been rounded to
(2,9.05348); point (10.85147,−.00049), where there was a horizontal tangent, has been
rounded to (10.85873,0); the intermediate control points have been adjusted accord-
ingly. (Rounding of x coordinates has been done separately from y coordinates.)
Finally, with autorounding = 2, additional adjustments are made so that the 45° tran-
sition point will occur at what METAFONT thinks is a good spot:

Cycle spec at line 15, after subdivision and double autorounding:
(2,9.05348) % beginning in octant ‘SSE’
  ...controls (2,6.6761) and (3.07103,4.42897)
  ...(4.78537,2.71463) % segment 0
% entering octant ‘ESE’
  ...controls (6.46927,1.03073) and (8.62749,0)
  ...(10.85873,0) % segment 0
% entering octant ‘ENE’

(Notice that 4.78537 + 2.71463 = 7.50000; when the slope is −1 at a transition point

Page C210, line 7

| (numeric token primary)

Page C210, line −2

| (numeric token primary) → (numeric token) / (numeric token)

Page C211, line 16

| (numeric token primary not followed by + or − or a numeric token)
Page C213, lines 17–27 (8/5/98)

\[(\text{path primary}) \rightarrow (\text{pair primary}) | (\text{path variable}) | (\text{path argument})
| (\text{begingroup}) (\text{statement list}) (\text{path expression}) \text{ endgroup}
| \text{makepath} (\text{pen primary}) | \text{makepath} (\text{future pen primary})
| \text{reverse} (\text{path primary})
| \text{subpath} (\text{pair expression}) \text{ of} (\text{path primary})
(\text{path secondary}) \rightarrow (\text{pair secondary}) | (\text{path primary})
| (\text{path secondary}) (\text{transformer})
| (\text{path tertiary}) \rightarrow (\text{pair tertiary}) | (\text{path secondary})
(\text{path subexpression}) \rightarrow (\text{path expression})
| (\text{path subexpression}) (\text{path join}) (\text{path tertiary})\]

Page C213, line -4 (8/5/98)

\[(\text{path expression}) \rightarrow (\text{pair expression}) | (\text{path tertiary})\]

Page C234, line 6 (9/6/00)

line \(z_1 \ldots z_5\) that bisects \(z_4 \ldots z_2\), so it starts out in a south-by-southwesterly direction;

Page C246, line 5 of answer 14.15 (8/5/98)

/ length(postcontrol \(t\) of \(p\) – point \(t\) of \(p\)) enddef;

Page C246, line 10 of answer 14.15 (8/5/98)

/ length(precontrol \(t\) of \(p\) – point \(t\) of \(p\)) enddef;

Page C252, line -6 (8/5/98)

\(h + a\) and \(bot y_4 = -a\), so nothing needs to be done there. We should, however, say

\[h + a\]

Page C257, large display on line 5 (3/4/95)

\[
\begin{align*}
\text{boolean} & \quad \text{numeric} \\
\text{pair} & \quad \text{path} \\
\text{pen} & \quad \text{picture} \\
\text{string} & \quad \text{transform}
\end{align*}
\]

\[
\begin{align*}
\text{(expression)} & \rightarrow \{ \text{boolean} \} | \{ \text{numeric} \} | \{ \text{pair} \} | \{ \text{path} \} | \{ \text{pen} \} | \{ \text{picture} \} | \{ \text{string} \} | \{ \text{transform} \} | \{ \text{transform} \} \\
\{ \text{boolean} \} & \rightarrow < | \leq | \text{pair} | \text{numeric} | \text{numeric} \\
\{ \text{numeric} \} & \rightarrow \text{numeric} \\
\{ \text{pair} \} & \rightarrow < | \leq | \text{pair} | \text{numeric} | \text{numeric} \\
\{ \text{path} \} & \rightarrow \text{path} \\
\{ \text{pen} \} & \rightarrow \text{pen} \\
\{ \text{picture} \} & \rightarrow \text{picture} \\
\{ \text{string} \} & \rightarrow \text{string} \\
\{ \text{transform} \} & \rightarrow \text{transform} \\
\end{align*}
\]

Page C261, line -15 (8/5/98)

- \text{Hacks:} gobble, gobbled, killtext; capsule_def; numtok.
Page C286, line 15 (8/5/98)

isn’t entirely expanded by \texttt{expandafter}; only \texttt{METAFONT}’s first step in loop expansion.

Page C299, line 2 (12/6/99)

\[
t[u_1, \ldots, u_n] = \sum_{k=1}^{n} \binom{n-1}{k-1} (1-t)^{n-k} t^{k-1} u_k.
\]

Page C299, swap lines 11 and 12 (8/5/98)

\[
\begin{align*}
\text{def lbrack = hide(delimiters []) lookahead [ enddef;}
\text{let [[[ = [; let ]]] = ]]; let [ = lbrack;}
\end{align*}
\]

Page C306, line 1 (11/4/98)

\texttt{ligtable oct"013": "i" =: oct"016", "l" =: oct"017", \% ffi and ffl}

Page C311, line 2 (8/5/98)

fine := 4 – eps, and \texttt{breadth[1]} := 4 – eps. (A small amount \texttt{eps} has been subtracted.

Page C323, line –3 (8/5/98)

statement occurs, the special string \texttt{"title " & \langle title \rangle} is output. (This is how the

Page C332, lines 22–24 (8/5/98)

be replicated so that the final proofs will be \texttt{rep} times bigger than usual, and
the pattern will be clipped slightly at the edges so that discrete pixels can be
seen plainly.

Page C341, line 23 (10/10/96)

\texttt{\def\{\setbox0\hbox{\noboundary\char\n\noboundary}\%}

Page C346, left column (9/6/00)

\ldots (bounded join), 18–19, 127, 248, 262
\ldots (truncation of displayed context), 44.

Page C346, and throughout the index (3/7/95)

(Many index entries for rules of syntax in chapters 25–26 should have been underlined)

Page C350, left column (4/24/00)

Page C351, right column (9/22/97)
*intersectiontimes, 136, 178, 213, 265, 294, 298.

Page C353, right column (8/5/98)
(numeric token atom), delete this entry.
(numeric token primary), 72, 210.

Page C354, left column (7/26/98)
Orwell, George (= Blair, Eric Arthur), 85.

Page C355, right column (3/7/95)
rt, 23, 77, 80, 103, 147, 151, 273.

Page C361, lines 14–15 (4/29/97)
email: {\tt TUG@tug.org}
internet: {\tt http://www.tug.org/}

Page C361, bottom five lines (4/29/97)
Don’t delay, subscribe today! That address again is
\TeX{} Users Group
e-mail: TUG@tug.org
internet: http://www.tug.org/

DONALD E. KNUTH, The \TeX{}book (1996)

Page Dix, line ix (8/19/00)

“Interfacing with graphic objects” by Ignacio Andrés Zabala Salelles,

Page D71, line 11 of section 178 (9/13/00)
{ previous mem_end, lo_mem_max, and hi_mem_min }

Page D132, line 6 of section 291 (9/13/00)

$= v_n + w_n \theta_0 - u_n (v_1 + w_1 \theta_0 - u_1 (v_2 + \cdots - u_{n-2} (v_{n-1} + w_{n-1} \theta_0 - u_{n-1} \theta_0) \cdots)),$

Page D213, line 7 (9/14/00)

$(-y+\epsilon, x+y+\epsilon \delta).$ We should therefore round as if our skewed coordinates were $(x+\epsilon+\epsilon \delta, y-\epsilon)$

Page D349, line 4 of section 784 (9/14/00)

procedure pack_job_name(s : str_number); { s = "\log", "\gf", "\tfm", or base_extension }
The value of \texttt{cur\_mod} controls the \textit{verbosity} in the \texttt{print\_exp} routine: If it’s \texttt{show\_code},

\begin{verbatim}
long\_help\_seen: boolean;  { has the long \texttt{errmessage} help been used? }
\end{verbatim}

Zabala Salelles, Ignacio Andrés: 812.
pos₃(8[hair, stem], 0); pos₄(vair, −90); pos₅(hair, −180);
pos₆(vair, −270); pos₇(stem, −360); pos₈(vair, −450); pos₉(hair, −540);
\[x₀ = x₁ = x₉; \]
\[\text{rt} \ xₙ = \text{hround}(w - 1.75u); \text{rt} \ xₗ = \text{hround}(w - u);\]
\[y₅ = 0.5[y₄, y₆]; \]
\[\text{top} \ y₆ = \text{bot} \ y₄ = \text{vstem} + \text{eps}; \ bot \ y₈ = -\infty; \ y₉ = 0.55[y₆, y₈];\]
\[x₃ = 0.5[x₂, x₄]; \ x₇ = 3u; \ x₈ = w - 3.5u; \ \text{rt} \ xₙ = \text{hround}(w - u);\]
\(x_4 = \frac{1}{3}[x_5, x_3]; \quad z_4 = z_5 + \text{whatever} \times (15u, 1h);\)

\[\begin{align*}
x_4 &= \frac{1}{3}[x_5, x_3]; \\
z_4 &= z_5 + \text{whatever} \times (15u, 1h); \\
\end{align*}\]
Page E431, line 2 from the bottom (8/8/98)

--- \( z_{1r} \{ \text{right} \} \ldots \{ \text{left} \} z_{1r} = (x_{0r}, y_{2r}) \) -- cycle; \% arrowhead and stem

Page E433, lines 13 and 14 (8/8/98)

\texttt{filldraw \( z_{0} \ldots (x_{0}, y_{2}) \) -- \( z_{1} \{ \text{left} \} \ldots \{ \text{right} \} z_{1r} \)
--- \texttt{subpath \( (t, 0) \) of \( (z_{3l} \ldots (2(x_{0} - x_{3}), y_{0} - y_{3})z_{5r} \))

Page E433, line 2 from the bottom (8/8/98)

--- \( z_{1l} \{ \text{left} \} \ldots \{ \text{right} \} z_{1r} = (x_{0}, y_{2r}) \) -- cycle; \% arrowhead and stem

Page E463, line 15 (8/8/98)

--- \( z_{1r} \ldots z_{1l} \) --- \texttt{subpath \( (t, 0) \) of \( (z_{3l} \{ z_{0} \ldots z_{3} \} z_{5r} \))

Page E463, line 3 from the bottom (8/8/98)

--- \( z_{1r} \ldots z_{1l} \) --- \texttt{subpath \( (t, 0) \) of \( (z_{3l} \{ z_{0} \ldots z_{3} \} z_{5r} \))

Page E465, line 16 (8/8/98)

--- \( z_{1l} \ldots z_{1r} \) --- \texttt{subpath \( (t, 0) \) of \( (z_{3r} \{ z_{0} \ldots z_{3} \} z_{5r} \))

Page E465, line 3 from the bottom (8/8/98)

--- \( z_{1l} \ldots z_{1r} \) --- \texttt{subpath \( (t, 0) \) of \( (z_{3r} \{ z_{0} \ldots z_{3} \} z_{5r} \))

Page E467, line 18 (8/8/98)

--- \( z_{1l} \ldots z_{1r} \) --- \texttt{subpath \( (t, 0) \) of \( (z_{3r} \{ z_{0} \ldots z_{3} \} z_{5r} \))

Page E467, line 3 from the bottom (8/8/98)

--- \( z_{1l} \ldots z_{1r} \) --- \texttt{subpath \( (t, 0) \) of \( (z_{3r} \{ z_{0} \ldots z_{3} \} z_{5r} \))

Page E483, lines 12–14 from the bottom (3/6/95)

\texttt{beginarithchar\( \texttt{\texttt{oct \"004\"}; \texttt{pickup \texttt{fine.nib}; \texttt{pickup \texttt{rule.nib}; \texttt{numeric \texttt{del}; \texttt{del = dot.size - currentbreadth}; \% \texttt{currentbreadth = \texttt{fine \texttt{x3}} \ldots \texttt{5del = \texttt{good.x(5w \ldots \texttt{5del})}; \texttt{center.on(x3)}; \texttt{y3 + 5del = \texttt{good.y(math_axis + math_spread[.5x_height, 6x_height] + 5del))}}

Page E485, bottom line (6/4/98)

--- JOHN SMITH, \textit{The Printer's Grammar} (1755)

Page E489, line 4 (8/8/98)

\texttt{lt x_6 = hround u; \texttt{x_2 = w - x_6; \texttt{top y_6 = h}; \texttt{y_6 - y_4 = x_2 - x_6;}}
Page E489, line 10 (8/8/98)

\[ \text{lft} x_6 = \text{hround} u; \quad x_2 = w - x_6; \quad \text{top} y_8 = h; \quad y_8 - y_4 = x_2 - x_6; \quad \text{circle_points}; \]

Page E491, line 3 from the bottom (3/6/95)

\[ \text{spread} := 2\text{ceiling}(\text{spread} \# \ast \text{hppp}/2) + \text{eps}; \quad \text{enddef}; \]

Page E507, line 15 (8/8/98)

\[ \text{--- } z_1r \ldots z_1l \text{ --- subpath } (t, 0) \text{ of } (z_3r \{z_9 - z_3\} \ldots z_5r) \]

Page E507, line 3 from the bottom (8/8/98)

\[ \text{--- } z_1lr \ldots z_1ll \text{ --- subpath } (t, 0) \text{ of } (z_1lr\{z_19 - z_13\} \ldots z_15lr) \]

Page E509, line 17 (8/8/98)

\[ \text{--- } z_1l \ldots z_1r \text{ --- subpath } (t, 0) \text{ of } (z_4u\{z_9 - z_3\} \ldots z_5r) \]

Page E509, lines 3 and 4 from the bottom (8/8/98)

\[ \text{--- } z_1l \ldots z_1r \text{ --- subpath } (t, 0) \text{ of } (z_4u\{z_9 - z_3\} \ldots z_5r) \]

Page E511, line 17 (8/8/98)

\[ \text{--- } z_1l \ldots z_1r \text{ --- subpath } (t, 0) \text{ of } (z_4u\{z_9 - z_3\} \ldots z_5r) \]

Page E511, lines 3 and 4 from the bottom (8/8/98)

\[ \text{--- } z_1l \ldots z_1r \text{ --- subpath } (t, 0) \text{ of } (z_4u\{z_9 - z_3\} \ldots z_5r) \]

Page E541, bottom line (2/27/97)

\[ \text{labels}(1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15); \quad \text{endchar}; \]

Page E568, the example of cmtex8 (4/18/96)

(The word ‘logician’ should not be hyphenated.)

Page E574, left column (3/6/95)

\[ \text{currentbreadth}, \; 483, \; 545, \; 546. \]

Page E575, right column (9/10/98)

Holmes, Kris Ann, vi, vii.

Page E576, right column (6/4/98)

Delete the entry for Luckcombe

Page E579, left column (6/4/98)

Smith, John, 87, 485.