This is a list of all corrections made to Computers & Typesetting, Volumes A–E, between 16 June 1987 and 20 February 1989. Corrections made to the softcover version of The T_EXbook are the same as corrections to Volume A. Corrections to the softcover version of The METAFONTbook are the same as corrections to Volume C. Some of these corrections have already been made in reprintings of the books. Some of these corrections affect the indexes and mini-indexes of Volumes B and D in ways not shown here. Corrections made up to 15 June 1987 appear in other files.

| Page A159, line 22 | (2/15/88) |
|---|-----------------------------------|
| '\nolimits' if the normal \displaylimits convention has | been overridden; a Rad |
| Page A213, lines 34–35 | (12/23/87) |
| text will be a single control sequence token, defined to be like currently undefined. | e \relax if its meaning is |
| Page A299, line 30 | (7/6/88) |
| Fatal format file error; I'm stymied. | |
| Page A326, line 12 | (12/12/87) |
| its natural width. The \hbox version also invokes \everymat | h. |
| Page A359, line 2 | (11/6/88) |
| $\label{eq:limit} \label{limit} limi$ | hchardef\colon="603A |
| Page A359, lines 35–38 | (5/24/88) |
| | |
| Page A364, line 35 | (11/6/88) |
| \def\fmtname{plain}\def\fmtversion{2.94} % identifie | s the current format |
| Page A379, line 15 | (10/12/87) |
| | |

\def\deleterightmost#1{\edef#1{\expandafter\xyzzy#1\xyzzy}}

Page A383, lines 7–15 from the bottom

(1/4/89)

209 strings out of 1685 1659 string characters out of 17636 27618 words of memory out of 52821 1172 multiletter control sequences out of 2500

Consequently there was plenty of room for more macros: 52821 - 27618 = 25203unused cells of main memory, 2500 - 1172 = 1328 of name memory, 1685 - 209 = 1476 of string memory, and 17636 - 1659 = 15977 of character memory. But a fairly large T_EX was being used, and only the macros of Appendices B and E were loaded; in other circumstances it might have been necessary to conserve space.

Page A454, lines 23–29 (8/13/87)

If a suitable starting letter is found, let it be in font f. Hyphenation is abandoned unless the **hyphenchar** of f is between 0 and 255, and unless a character of that number exists in the font. If this test is passed, T_EX continues to scan forward until coming to something that's not one of the following three "admissible items": (1) a character in font f whose **lccode** is nonzero; (2) a ligature formed entirely from characters of type (1); (3) an implicit kern. The first inadmissible item terminates this part of the process; the trial word consists of all the letters found in admissible items. Notice that all of these letters are in font f.

| Page A458, left column, line 19 | (2/15/88) |
|---|------------|
| \ (), <i>146–147</i> , <i>171</i> , <u>361</u> , 435, 438. | |
| Page A462, left column, line 7 | (10/9/87) |
| 152, 178, <u>360</u> . | |
| Page A463, left column | (4/17/88) |
| *\day, 273, 349, <i>406</i> . | |
| Page A464, left column, under Displays | (12/8/88) |
| non-centered, 186, 326, 375–376, 420–421. | |
| Page A465, entry for \everymath | (12/12/87) |
| [Include also a reference to page 326.] | |
| Page A465, right column | (7/6/88) |

Fatal format file error, 299.

| Page A473, entry for 'page builder' | (8/13/87) |
|--|--------------------------------|
| when exercised, 122, 280–283, 286–287. | |
| Page A474, left column | (12/27/88) |
| *\parshape, 101-102, 214, 271, 277, 283, | |
| Page A480, right column | (2/15/88) |
| \vdots (:), 177, <u>359</u> . | |
| Page A481, right column | (7/3/87) |
| \z@, <u>347</u> , 348. \z@skip, <u>347</u> , 348. | |
| Page B2, line 32 | (2/20/89) |
| define $banner \equiv \text{This}_{\sqcup}\text{Is}_{\sqcup}\text{TeX},_{\sqcup}\text{Version}_{\sqcup}2.97^{-1}$ | printed when T_{EX} starts } |
| Page B38, lines 7–9 from the bottom | (11/6/88) |
| [Delete this paragraph; it is being moved to page B | 214.] |
| Page B38, line 5 from the bottom | (12/14/88) |
| begin if log_opened then $selector \leftarrow term_and_log$ | |
| Page B39, line 5 | (12/14/88) |
| if log_opened then error; | |
| Page B52, line 5 | (8/13/87) |
| cannot be done, i.e., if $hi_mem_min = lo_mem_max$ | +1, we have to quit. |
| Page B54, lines 34–35 | (7/9/88) |
| begin if $hi_mem_min - lo_mem_max \ge 1998$ then t else $t \leftarrow lo_mem_max + 1 + (hi_mem_min - lo_mem_max)$ | |
| Page B108, new line after line 8 | (5/24/88) |
| d: integer; { number of characters in incomplete of | |

| Page B108, lines 31–33 | (5/24/88) |
|---|----------------|
| $str_room(l); d \leftarrow cur_length;$ | |
| while $pool_ptr > str_start[str_ptr]$ do | |
| begin $decr(pool_ptr); str_pool[pool_ptr + l] \leftarrow str_pool[pool_ptr];$ | |
| end; { move current string up to make room for another } | |
| for $k \leftarrow j$ to $j + l - 1$ do $append_char(buffer[k]);$ | |
| $text(p) \leftarrow make_string; pool_ptr \leftarrow pool_ptr + d;$ | |
| Page B115, line 12 | (4/28/88) |
| $group_code = 0 \dots max_group_code; \{ save_level \text{ for a level boundary } \}$ | |
| Page B141, line 19 | (4/28/88) |
| <pre>par_token: halfword; { token representing '\par' }</pre> | |
| Page B150, line 24 | (4/28/88) |
| 358. The present point in the program is reached only when the <i>expand</i> routin | e has inserted |
| Page B151, mini-index | (4/28/88) |
| Delete the entry for ' <i>no_expand</i> '; replace it by: <i>expand</i> : procedure , §366. | |
| Page B154, lines 25, 29, 34 respectively | (9/20/87) |
| cvl_backup, radix_backup, co_backup: small_number; { to save cur_val_level, etc. } | |
| $co_backup \leftarrow cur_order; backup_backup \leftarrow link(backup_head);$ | |
| $cur_order \leftarrow co_backup; link(backup_head) \leftarrow backup_backup;$ | |
| Page B155, new entry for mini-index | (9/20/87) |
| cur_order: glue_ord, §447. | |
| Page B156, line 28 | (12/23/87) |
| begin $eq_define(cur_cs, relax, 256);$ | |
| Page B157, mini-index | (12/23/87) |
| Delete the entries for 'eqtb' and 'frozen_relax'; replace them by the following: eq_define: procedure, §227. relax = 0, §207. | |
| Page B162, lines 12–14 | (4/30/88) |
| repeat $link(temp_head) \leftarrow null;$ | |

repeat $link(temp_head) \leftarrow null;$

if $(info(r) > match_token + 127) \lor (info(r) < match_token)$ then $s \leftarrow null$ else begin $match_chr \leftarrow info(r) - match_token; s \leftarrow link(r); r \leftarrow s; p \leftarrow temp_head; m \leftarrow 0;$

| Page B177, bottom line before mini-index | (7/13/88) |
|--|--------------------------|
| $cur_val \leftarrow 0; \ cur_val_level \leftarrow int_val; \ radix \leftarrow 0; \ cur_order \leftarrow 0;$ | |
| Page B181, line 31 | (4/28/88) |
| [Change 'x units per sp' to 'x sp per unit'! This change also should be made on line 1 of line -8 of page B590.] | page B183 and |
| Page B188, line 8 | (5/25/88) |
| function $str_toks(b: pool_pointer)$: pointer; { changes the string $str_pool[bpool_ptr]$ | to a token list } |
| Page B188, line 13 | (5/25/88) |
| begin $str_room(1)$; $p \leftarrow temp_head$; $link(p) \leftarrow null$; $k \leftarrow b$; | |
| Page B188, line 20 | (5/25/88) |
| $pool_ptr \leftarrow b; \ str_toks \leftarrow p;$ | |
| Page B188, new line after line 28 | (5/25/88) |
| b: pool_pointer; { base of temporary string } | |
| Page B188, line 31 | (5/25/88) |
| else begin $old_setting \leftarrow selector; selector \leftarrow new_string; b \leftarrow pool_ptr;$ | |
| Page B188, line 41 | (5/25/88) |
| $selector \leftarrow old_setting; the_toks \leftarrow str_toks(b);$ | |
| Page B190, lines 16–18 | (5/25/88) |
| b: pool_pointer; { base of temporary string } begin $c \leftarrow cur_chr$; { Scan the argument for command c 471 }; $old_setting \leftarrow selector$; $selector \leftarrow new_string$; $b \leftarrow pool_ptr$; { Print the result of comm $selector \leftarrow old_setting$; $link(garbage) \leftarrow str_toks(b)$; $ins_list(link(temp_head))$; | nand c 472 \rangle ; |
| Page B210, line 36 | (5/25/88) |
| $\textbf{begin if } (\textit{pool_ptr} + \textit{name_length} > \textit{pool_size}) \lor (\textit{str_ptr} = \textit{max_strings}) \lor (\textit{cur_length} = \textit{max_strings}) \lor (\textit{cur_length} = \textit{max_strings}) \lor (\textit{str_ptr} = \textit{max_strings}) \lor (\textit{cur_length} = \textit{max_strings}) \lor (\textit{str_ptr} = $ | > 0) then |
| Page B211, new line of code before the mini-index | (12/14/88) |
| $log_opened: boolean; { has the transcript file been opened? }$ | |
| Page B212, line 5 | (12/14/88) |

 $job_name \leftarrow 0; \ name_in_progress \leftarrow false; \ log_opened \leftarrow false;$

| Page B213, line 24 | (12/14/88) |
|--------------------|------------|
| | |

 $log_name \leftarrow a_make_name_string(log_file); selector \leftarrow log_only; log_opened \leftarrow true;$

| Page B214, lines 2 and |
|------------------------|
|------------------------|

messages or even to *show_context*. The *prompt_file_name* routine can result in a *fatal_error*, but the *error* routine will not be invoked because *log_opened* will be false.

(12/14/88)

(11/17/87)

(11/17/87)

(8/7/87)

(8/7/87)

(87)

The normal idea of *batch_mode* is that nothing at all should be written on the terminal. However, in the unusual case that no log file could be opened, we make an exception and allow an explanatory message to be seen.

| Page B214, lines 7–11 reduce to a single line | (12/14/88) |
|--|------------|
| begin selector \leftarrow term_only; | |
| Page B224, second-last line | (4/28/87) |
| done: if file_opened then $b_close(tfm_file);$ read_font_info $\leftarrow g;$ | |
| Page B229, lines 6–8 | (11/17/87) |

than 2^{27} . If $z < 2^{23}$, the individual multiplications $b \cdot z$, $c \cdot z$, $d \cdot z$ cannot overflow; otherwise we will divide z by 2, 4, 8, or 16, to obtain a multiplier less than 2^{23} , and we can compensate for this later. If z has thereby been replaced by $z' = z/2^e$, let $\beta = 2^{4-e}$; we shall compute

Page B229, lines 11-12

if a = 0, or the same quantity minus $\alpha = 2^{4+e}z'$ if a = 255. This calculation must be done exactly, in order to guarantee portability of T_FX between computers.

Page B230, lines 2-5

begin alpha $\leftarrow 16$; while $z \geq 40000000$ do **begin** $z \leftarrow z$ **div** 2; $alpha \leftarrow alpha + alpha$; **end**; beta $\leftarrow 256$ div alpha; alpha \leftarrow alpha *z;

Page B245, new entry for mini-index

cur_s: integer, §616.

| Page B254, line 29 | (8/7) |
|--------------------|-------|
| | |

cur_s: integer; { current depth of output box nesting, initially -1 }

Page B254, line 31

[Remove the statement 'cur_s $\leftarrow -1$;' and put it on page B244 at the end of line 31.]

| Page B259, line 13 | (11/9/87) |
|--|-----------|
| begin $rule_wd \leftarrow rule_wd + 10$; { compensate for floating-point rounding } $edge \leftarrow cur_h + rule_wd$; $lx \leftarrow 0$; (Let cur_h be the position of the first box, and set | |
| Page B259, line 17 | (11/9/87) |
| $cur_h \leftarrow edge - 10; $ goto $next_p;$ | |
| Page B263, line 21 | (11/9/87) |
| begin $rule_ht \leftarrow rule_ht + 10$; { compensate for floating-point rounding } $edge \leftarrow cur_v + rule_ht$; $lx \leftarrow 0$; (Let cur_v be the position of the first box, and set | |
| Page B263, line 25 | (11/9/87) |
| $cur_v \leftarrow edge - 10; $ goto $next_p;$ | |
| Page B266, line 8 | (8/7/87) |
| $dvi_out(eop); incr(total_pages); cur_s \leftarrow -1;$ | |
| Page B266, new code between lines 31 and 32 | (8/7/87) |
| <pre>while cur_s > -1 do begin if cur_s > 0 then dvi_out(pop) else begin dvi_out(eop); incr(total_pages) end; decr(cur_s); end;</pre> | |
| Page B285, line 21 | (4/28/88) |
| is subsidiary to the <i>nucleus</i> field of some noad; the dot is replaced by '_' or '^' or '/ | |
| Page B338, second-last line | (8/19/87) |
| $q \leftarrow link(head); s \leftarrow head;$ | |
| Page B339, line 4 | (8/19/87) |
| $s \leftarrow q; q \leftarrow link(q);$ | |
| Page B339, new code to insert after line 10 | (8/19/87) |
| if $o \neq 0$ then begin $r \leftarrow link(q)$; $link(q) \leftarrow null$; $q \leftarrow hpack(q, natural)$; $shift_amount(q) \leftarrow o$; $link(q) \leftarrow r$; $link(s) \leftarrow q$; and | |

end;

[These new lines also imply changes to the index that aren't shown in this errata list.]

| Page B387, line 2 | (5/24/88) |
|---|---|
| is quite short. In the following code we set $hc[hn + 2]$ to the impossib | ble value 128, in order to |
| Page B387, line 8 | (5/24/88) |
| $hc[0] \leftarrow 127; hc[hn + 1] \leftarrow 127; hc[hn + 2] \leftarrow 128; $ {insert delimiters } | |
| Page B390, lines 17–18 | (5/24/88) |
| \langle Enter as many hyphenation exceptions as are listed, until coming to a righ [The same change applies to lines 20–21, and to page 582.] | nt brace; then return 961 \rangle ; |
| Page B396, new line after line 34 | (5/24/88) |
| $trie_link(trie_size) \leftarrow 0; trie_back(0) \leftarrow trie_size; \{wrap around\}$ | |
| Page B396, bottom line | (12/12/87) |
| $trie_link(0) \leftarrow 0; trie_char(0) \leftarrow 0; trie_op(0) \leftarrow min_quarterword;$ | |
| Page B397, lines 15–17 | (5/24/88) |
| begin $c \leftarrow trie_{-}c[p];$ | |
| begin $c \leftarrow trie_c[p];$ if $c < trie_min$ then $trie_min \leftarrow c;$ if $trie_min = 0$ then $z \leftarrow trie_link(trie_size)$ else $z \leftarrow trie_link(trie_min - 1);$ {get the first conceivably good hole} | |
| if $c < trie_min$ then $trie_min \leftarrow c$; if $trie_min = 0$ then $z \leftarrow trie_link(trie_size)$ | (5/24/88) |
| if $c < trie_min$ then $trie_min \leftarrow c$; if $trie_min = 0$ then $z \leftarrow trie_link(trie_size)$ else $z \leftarrow trie_link(trie_min - 1)$; {get the first conceivably good hole} | $1\rangle \equiv$ |
| $\begin{array}{l} \text{if } c < trie_min \text{ then } trie_min \leftarrow c;\\ \text{if } trie_min = 0 \text{ then } z \leftarrow trie_link(trie_size)\\ \text{else } z \leftarrow trie_link(trie_min - 1); \{\text{get the first conceivably good hole}\}\\ \hline \hline \\ \hline \\$ | $1\rangle \equiv$ |
| $\begin{array}{l} \text{if } c < trie_min \text{ then } trie_min \leftarrow c;\\ \text{if } trie_min = 0 \text{ then } z \leftarrow trie_link(trie_size)\\ \text{else } z \leftarrow trie_link(trie_min - 1); \{\text{ get the first conceivably good hole }\}\\ \hline\\ \hline\\$ | $1 \rangle \equiv$ 22.] |
| $\begin{array}{l} \text{if } c < trie_min \text{ then } trie_min \leftarrow c;\\ \text{if } trie_min = 0 \text{ then } z \leftarrow trie_link(trie_size)\\ \text{else } z \leftarrow trie_link(trie_min - 1); \{\text{get the first conceivably good hole}\}\\ \hline\\ \hline\\$ | 1 > ≡ 22.] |
| $\begin{aligned} & \text{if } c < trie_min \text{ then } trie_min \leftarrow c; \\ & \text{if } trie_min = 0 \text{ then } z \leftarrow trie_link(trie_size) \\ & \text{else } z \leftarrow trie_link(trie_min - 1); \{\text{ get the first conceivably good hole }\} \\ \hline \hline \hline \\ \hline \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline $ | $1 \rangle \equiv$ 32.] $(5/24/88)$ $(1/23/89)$ |
| $\begin{aligned} & \text{if } c < trie_min \text{ then } trie_min \leftarrow c; \\ & \text{if } trie_min = 0 \text{ then } z \leftarrow trie_link(trie_size) \\ & \text{else } z \leftarrow trie_link(trie_min - 1); \{\text{get the first conceivably good hole}\} \\ \hline \hline \\ \hline $ | $1 \rangle \equiv$ 32.] $(5/24/88)$ $(1/23/89)$ |
| $\begin{aligned} & \text{if } c < trie_min \text{ then } trie_min \leftarrow c; \\ & \text{if } trie_min = 0 \text{ then } z \leftarrow trie_link(trie_size) \\ & \text{else } z \leftarrow trie_link(trie_min - 1); \{\text{get the first conceivably good hole}\} \\ \hline \hline \hline \text{Page B400, lines } 3-4 \\ & \langle \text{Enter all of the patterns into a linked trie, until coming to a right brace 96} \\ & \text{[The same change applies to page B399, lines 29-30, and to page 58]} \\ \hline \hline \hline \text{Page B402, line 10} \\ & r \leftarrow trie_size; \{\text{finally, we will zero out the holes}\} \\ \hline \hline \hline \text{Page B406, line 9 from the bottom} \\ & shrink_order(r) \leftarrow normal; delete_glue_ref(q); glue_ptr(p) \leftarrow r; q \leftarrow trie_starce(t) \in trie_trie_trie_trie_trie_trie_trie_trie_$ | $1 \rangle \equiv$ 32.] (5/24/88) (1/23/89) -r; |

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| Page B507, line 13 | (12/14/88) |
|--|------------|
| if log_opened then $selector \leftarrow selector + 2;$ | |
| Page B527, line 21 | (12/14/88) |
| if log_opened then | |
| Page B528, line 5 | (12/14/88) |
| $\mathbf{if} \ log_opened \ \mathbf{then}$ | |
| Page B547, right column | (9/20/87) |
| $co_backup: \underline{366}.$ | |
| Page B548, right column | (9/20/87) |
| $cur_order:$ 366, <u>447</u> , 448, 454, 462. | |
| Page B548, right column | (8/7/87) |
| <i>cur_s</i> : 593, <u>616</u> , 619, 629, 640, 642. | |
| Page B551, both columns | (12/23/87) |
| [Remove '372' from <i>eqtb</i> and put it into <i>eq_define</i> .] | |
| Page B552, left column | (4/28/88) |
| [Insert '358' into expand.] | |
| Page B554, left column | (12/23/87) |
| [Remove '372' from <i>frozen_relax</i> .] | |
| Page B559, new entry | (12/14/88) |
| log_opened , 92–93, <u>527</u> , 528, 534–535, 1265, 1333–1334. | |
| Page B559, right column | (8/13/87) |
| [Delete the entry for <i>low_mem_max.</i>] | |
| Page B562, left column | (4/28/88) |
| [Remove '358' from <i>no_expand</i> .] | |
| Page B565, left column | (8/7/87) |
| m_{on} , 584 585 586 500 601 608 642 | |

 $pop\colon \ 584{-}585,\, \underline{586},\, 590,\, 601,\, 608,\, 642.$

| Page B567, left column | (12/23/87) |
|--|------------|
| [Insert '372' into relax.] | |
| Page B568, left column | (4/28/88) |
| [Move '269' from <i>save_index</i> to <i>save_level</i> .] | |
| Page C26, bottom line $(7/18/87)$ | |
| What angle corresponds to the direction North-Northwest? | |
| Page C107, line 13 $(10/7/87)$ | |
| pickup penrazor xscaled <i>heavyline</i> rotated $(angle(z_{32} - z_{31}) + 90);$ | |
| Page C164, line 10 (4/27/88) | |
| $y_{\$c} = top \; y_{\$l}; \;\; y_{\$d} = y_{\$r}; \;\; x_{\$c} = x_{\$l} - left_jut; \;\; x_{\$d} = x_{\$r} + right_jut;$ | |
| Page C175, line 23 $(1/11/88)$ | |
| expand into a sequence of tokens. (The language SIMULA67 demonstrated that it is | |
| Page C241, line 11 (5/25/88) | |
| numeric $ht^{\#}, dp^{\#}; ht^{\#} = body_height^{\#}; .5[ht^{\#}, -dp^{\#}] = axis^{\#};$ | |
| Page C248, line 21 becomes two lines $(1/24/89)$ | |
| which might not be numerically stable in the presence of rounding errors.) Another case, not really desirable, is $left_jut = right_jut = 0$. | |
| Page C262, line 15 $(12/23/88)$ | |
| <pre>string base_name, base_version; base_name="plain"; base_version="1.7";</pre> | |
| Page C271, line 12 (1/4/89) | |
| the user and METAFONT's primitive picture commands. First, some important program | |
| Page C271, line 4 from the bottom $(12/23/88)$ | |
| def cutdraw expr p = % caution: you may need autorounding=0 | |
| Page C272, lines 5 and 6 (12/23/88) | |
| <pre>(cut_ scaled (1+max(pen_lft,pen_rt,pen_top,pen_bot)) rotated theta shifted z)t :</pre> | |

rotated theta shifted z)t_;

| Page C273, lines 20 and 22 | (9/26/88) |
|--|------------------------|
| <pre>(z_+(0,pen_top))t_=round((z+(0,pen_top))t_); z_ enddef; (z_+(0,pen_bot))t_=round((z+(0,pen_bot))t_); z_ enddef;</pre> | |
| Page C290, line 6 from the bottom | (12/23/88) |
| (2) A throw away variable, 'whatever', nullifies an unwanted equation at the | e beginning |
| Page C331, just below the illustration | (7/18/87) |
| Such a pattern is, of course, rather unlikely to occur in a gf file, but GFt | oDVI would |
| Page C337, line 11 | (4/28/88) |
| An online "menu" of the available test routines will be typed at yo | our terminal |
| Page C346, entry for autorounding | (12/23/88) |
| 212, 262, 264, 271-272. | |
| Page C350, left column | (7/6/88) |
| Fatal base file error, 226. | |
| Page C356, left column | (1/11/88) |
| SIMULA67 language, 175. | |
| Page C358, right column | (2/15/88) |
| *yoffset, 212, <u>220</u> , 315, 324. | |
| Page D2, line 27 | (12/14/88) |
| define $banner \equiv \text{`This}_{\sqcup}\text{METAFONT},_{\sqcup}\text{Version}_{\bot}1.7^{\circ}$ { printed when N | $METAFONT \ starts \}$ |
| Page D36, lines 3–5 | (11/6/88) |
| [Delete this paragraph; it is being moved to page D349.] | |
| Page D36, line 7 | (12/14/88) |
| begin if log_opened then $selector \leftarrow term_and_log$ | |
| Page D36, line 16 | (12/14/88) |
| if log_opened then error; | |
| Page D66, lines 34–35 | (7/9/88) |
| | |

 $\begin{array}{l} \textbf{begin if } hi_mem_min-lo_mem_max \geq 1998 \textbf{ then } t \leftarrow lo_mem_max + 1000 \\ \textbf{else } t \leftarrow lo_mem_max + 1 + (hi_mem_min-lo_mem_max) \textbf{ div } 2; \\ \left\{ lo_mem_max + 2 \leq t < hi_mem_min \right\} \end{array}$

| Page D347, new line of code after line 5 | (12/14/88) |
|---|--|
| $log_opened: boolean; { has the transcript file been opened? }$ | |
| Page D347, line 11 | (12/14/88) |
| $job_name \leftarrow 0; \ log_opened \leftarrow false;$ | |
| Page D348, line 4 from the bottom | (12/14/88) |
| $log_name \leftarrow a_make_name_string(log_file); selector \leftarrow log_only; log_name \leftarrow a_make_name \leftarrow a_mak$ | $og_opened \leftarrow true;$ |
| Page D349, lines 6 and 7 | (12/14/88) |
| print error messages or even to <i>show_context</i> . The <i>prompt_fi</i> <i>fatal_error</i> , but the <i>error</i> routine will not be invoked because <i>la</i> . The normal idea of <i>batch_mode</i> is that nothing at all show However, in the unusual case that no log file could be opened, an explanatory message to be seen. | <i>og_opened</i> will be false. uld be written on the terminal. |
| Page D349, lines 11–15 reduce to a single line | (12/14/88) |
| begin selector \leftarrow term_only; | |
| Page D420, bottom line | (5/25/88) |
| if $txx \mod unity = 0$ then | |
| Page D441, delete line 2 and change line 12 as follows | (5/25/88) |
| done: if $eq_type(x) \neq tag_token$ then $clear_symbol(x, false)$; if $equiv(x) = null$ then $new_root(x)$; $scan_declared_variable \leftarrow h$; | |
| Page D444, line 8 from the bottom | (12/14/88) |
| if log_opened then $selector \leftarrow selector + 2;$ | |
| Page D510, line 14 | (12/14/88) |
| if log_opened then | |
| Page D511, line 11 | (12/14/88) |
| if log_opened then | |
| Page D530, new entry | (12/14/88) |
| | |

 $log_opened\,,\,87{-}88,\,\underline{782},\,783,\,788{-}789,\,1023,\,1205,\,1208.$

| Page D545, | left co | lumn |
|------------|---------|------|
|------------|---------|------|

| r age D040, icit column | |
|--|--|
| zscaled primitive: <u>893</u> . Zabala Salelles, Ignacio Andres: 812. | |
| Page E32, second-last line | (9/20/87) |
| after which comes ' $math_axis^{\#}$; generate mathsy' (where the mathsy' (where the mathsy) is the mathematical structure of t | hich we won't bother to |
| Page E111, line 29 | (10/16/88) |
| ft x_{11} = hround u ; $x_{1l} - x_{11} = x_{2l} - x_{12} = x_{22} - x_{2r}$ = hround u ; | und $1.6 cap_jut;$ |
| Page E285, bottom line | (12/1/87) |
| Due to Techni | ical Developments (1968) |
| Page E333, lines 9–11 | (1/9/89) |
| <i>lft</i> x_{1l} = hround(2.5 u 5 <i>mfudged.stem</i>); $x_{1l} = x_{1'l} = x_{2l} =$ <i>lft</i> x_{3l} = hround(.5 w 5 <i>mfudged.stem</i>); $x_5 - x_3 = x_3 - x_1$; if not <i>monospace</i> : $r :=$ hround($x_5 + x_1$) + $r - w$; fi % of | |
| | |
| Page E353, lines 38–39 | (8/12/87) |
| Page E353, lines 38–39 else: fill $diag_{-}end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ $\{z_5 - z_6\}.1[z_{5r}, z_{6r}] - cycle;$ | (8/12/87) % middle stem |
| else: fill $diag_end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ { $z_5 - z_6$ } .1[z_{5r}, z_{6r}] cycle; | |
| else: fill $diag_end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ { $z_5 - z_6$ } .1[z_{5r}, z_{6r}] cycle; | % middle stem |
| else: fill $diag_end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ { $z_5 - z_6$ } .1[z_{5r}, z_{6r}] - cycle; Page E387, line 13 | % middle stem (8/12/87) |
| else: fill $diag_end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ { $z_5 - z_6$ } .1[z_{5r}, z_{6r}] - cycle; Page E387, line 13 pickup $tiny.nib$; $bulb(3, 4, 5)$; | % middle stem (8/12/87) % bulb |
| else: fill $diag_{-}end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ $\{z_5 - z_6\} .1[z_{5r}, z_{6r}] - cycle;$ Page E387, line 13 pickup $tiny.nib; bulb(3, 4, 5);$ Page E413, lines 37–38 else: fill $diag_{-}end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ $\{z_5 - z_6\} .1[z_{5r}, z_{6r}] - cycle;$ | % middle stem (8/12/87) % bulb (8/12/87) |
| else: fill $diag_end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ $\{z_5 - z_6\} .1[z_{5r}, z_{6r}]cycle;$ Page E387, line 13 pickup $tiny.nib; bulb(3, 4, 5);$ Page E413, lines 37–38 else: fill $diag_end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ $\{z_5 - z_6\} .1[z_{5r}, z_{6r}]cycle;$ Page E459, line 24 | % middle stem (8/12/87) % bulb (8/12/87) % middle stem |
| else: fill $diag_{-}end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ $\{z_5 - z_6\} .1[z_{5r}, z_{6r}]cycle;$ Page E387, line 13 pickup $tiny.nib; bulb(3, 4, 5);$ Page E413, lines 37–38 else: fill $diag_{-}end(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ | % middle stem (8/12/87) % bulb (8/12/87) % middle stem |
| else: fill $diag_{end}(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ $\{z_5 - z_6\} .1[z_{5r}, z_{6r}] - cycle;$ Page E387, line 13 pickup $tiny.nib; bulb(3, 4, 5);$ Page E413, lines 37–38 else: fill $diag_{end}(6r, 5r, 1, 1, 5l, 6l)9[z_{5l}, z_{6l}]$ $\{z_5 - z_6\} .1[z_{5r}, z_{6r}] - cycle;$ Page E459, line 24 Delete the '=' sign between 'lft' and ' x_5 '.] | % middle stem (8/12/87) % bulb (8/12/87) % middle stem (8/7/87) |

def center_on(expr x) = if not monospace: % change width for symmetric fit r := r + 2x - w; w := 2x; fi enddef;

(10/31/87)

| Page E477, line 20 | (12/11/87) |
|--|--------------------------|
| $x_4 = x_8 = good.x.5w; center_on(x_4); x_2 = w - x_6 = good.x(x_4 + a);$ | |
| Page E483, third line of elementary division operator | (12/11/88) |
| $x_35dot_size = hround(.5w5dot_size); center_on(x_3);$ | |
| Page E485, line 4 | (8/7/87) |
| [Delete the '=' sign between ' lft ' and ' x_5 '.] | |
| Page E487, line 17 | (8/4/88) |
| fill fullcircle scaled (bold $+ 3.8 dw + eps$) shifted (.5[z_4, z_8]); | % dot |
| [Also remove page 487 from the index entry for dot_{size} , and add it to $bold$ and dw .] | the entries for |
| Page E515, lines 5 and 12 | (12/11/88) |
| $.5[x_1, x_2] = x_3 = good.x.5w; center_on(x_3); lft x_1 = hround(.5w - u * s_2)$ | sqrt48); |
| Page E515, line 21 | (1/23/89) |
| $labels(5,6); zero_width; endchar;$ | |
| [Also put labels '5' and '6' on the upper right figure, page E514.] | |
| Page E521, lines 4 and 14 | (12/12/88) |
| $x_1 = x_2 = good.x.5w; center_on(x_1); lft x_3 = hround u; x_4 = w - x_3;$ | |
| Page E537, line 6 | (12/11/88) |
| $x_1 = x_2 = x_3 = x_4; \ x_15stem = hround(.5w5stem); \ center_on(x_1)$ |); |
| $x_1 - x_2 - x_3 - x_4, x_15stem - mound(.5w5stem), center_on(x_1)$ | |
| $\frac{1}{2} = \frac{1}{2} = \frac{1}$ | (12/11/88) |
| | |
| Page E537, line 19 | |
| Page E537, line 19 $x_1 = x_2 = x_3; x_15stem = hround(.5w5stem); center_on(x_1);$ | (12/11/88) |
| Page E537, line 19 $x_1 = x_2 = x_3; x_15stem = hround(.5w5stem); center_on(x_1);$ Page E539, line 4 | (12/11/88) |
| Page E537, line 19 $x_1 = x_2 = x_3; x_15stem = hround(.5w5stem); center_on(x_1);$ Page E539, line 4 $x_1 = x_4 = x_{30} = x_{33} = good.x.5w; center_on(x_1);$ | (12/11/88) (12/11/88) |
| Page E537, line 19 $x_1 = x_2 = x_3; x_15stem = hround(.5w5stem); center_on(x_1);$ Page E539, line 4 $x_1 = x_4 = x_{30} = x_{33} = good.x.5w; center_on(x_1);$ Page E539, line 21 | (12/11/88) (12/11/88) |

| Page E541, line 17 | (12/11/88) | |
|---|------------|--|
| $x_1 = x_{10} = good.x.5w; center_on(x_1);$ | | |
| Page E550, new line after line 23 | (8/15/87) | |
| for suffixes $\$ = notch_cut$, cap_notch_cut : if $\$ < 3$: $\$:= 3$; fi end for | | |
| [To make room for this, combine lines 38 and 39 into a single line.] | | |
| Page E550, line 29 | (7/9/88) | |
| $\mathbf{define_whole_vertical_blacker_pixels}(\textit{vair},\textit{bar},\textit{slab},\textit{cap_bar},\textit{cap_band});$ | | |
| Page E572, new entry at bottom | (12/11/88) | |

 $center_on,\,\underline{471},\,477,\,483,\,515,\,521,\,537{-}541.$