Bugs in Computers & Typesetting
26 March 1991

This is a list of corrections made to Computers & Typesetting, Volumes A–E, since the last publication of the Errata and Changes list (21 September 1990). Corrections to the softcover version of The \emph{TeX}book are the same as corrections to Volume A; corrections to the softcover version of The METAFONTbook are the same as corrections to Volume C.

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Page A137, lines 2 and 3 from the bottom (11/9/90)

\textit{and you shouldn't even be reading this manual, which is undoubtedly all English to you.}

Page A141, line 15 from the bottom (10/18/90)

Thus if you type `$1\over2$' (in a text) you get $\frac{1}{2}$, namely style $S$ over style $S'$.

Page A377, the bottom 14 lines (3/26/91)

ASCII (space); the macro also decides whether a space token is explicit or implicit.

\begin{verbatim}
\newif\ifspace \newif\iffunny \newif\ifexplicit
\def\test#1{\ifcat\expandafter\noexpand\the#1\test}
\def\s{\iffalse \global\expandafterfalse \futurelet\next\ss}
\def\ss{\ifcat\noexpand\let\next=\space \else\let\next=\space \fi}
\def\sss#1#2{\test{#1}\test{#2}}
\def\ssss#1{\test{#1}}
\long\def\ssss#1#2{\test{#1\test{#2}}}
\long\def\ssssss#1#2{\test{#1\test{#2}}}
\long\def\ssssssss#1#2{\test{#1\test{#2}}}
\long\def\ssssssssss#1#2{\test{#1\test{#2}}}
\end{verbatim}

Page A444, lines 15–26 (3/26/91)

14. If the current item is an Ord atom, go directly to Rule 17 unless all of the following are true: The nucleus is a symbol; the subscript and superscript are both empty; the very next item in the math list is an atom of type Ord, Op, Bin, Rel, Close, or Punct; and the nucleus of the next item is a symbol whose family is the same as the family in the present Ord atom. In such cases the present symbol is marked as a text symbol. If the font information shows a ligature between this symbol and the following one, using the specified family and the current size, then insert the ligature character and continue as specified by the font; in this process, two characters may collapse into a single Ord text symbol, and/or new Ord text characters may appear. If the font information shows a kern between the current symbol and the next, insert a kern item following the current atom. As soon as an Ord atom has been fully processed for ligatures and kerns, go to Rule 17.
To anyone who has lived in a modern American city (except Boston) at least one of the underlying ideas of Descartes' analytic geometry will seem ridiculously evident. Yet, as remarked, it took mathematicians all of two thousand years to arrive at this simple thing.

— ERIC TEMPLE BELL, Mathematics: Queen and Servant of Science (1951)

string base_name, base_version; base_name="plain"; base_version="2.7";

def upto = step 1 until enddef; def downto = step -1 until enddef;

currentpen_path shifted (z.t_) withpen penspeck enddef;

which can be used to specify a nonstandard file area or directory name for the gray

Bell, Eric Temple, 11.

Brontë entry

[The accent was clobbered; her name should, of course, be Brontë. Fix the entries for Dürer, Möbius, and Stravinsky in the same way.]

Descartes, René, 6, 11, 19.

[remove the entry for Rex Stout.]
Changes to the Programs and Fonts
26 March 1991

\TeX
Changes subsequent to errata publication, 21 September 1990:

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Note: When making change 376, I forgot to delete the redundant
code in module 883, and I should also have changed the name of that
module. These cosmetic changes (and some changes to the comments)
were made in version 3.14, in addition to the following two changes.
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393. Show unprintable characters in font id’s (Wayne Sullivan, Dec 1990)
\gx module 63
print(s);
\gy
slow_print(s);
\gz
\gx module 262 can now be spruced up
else begin print_esc(" "); slow_print(text(p));
\gy
else begin print_esc(text(p));
\gz
\gx and module 263 likewise
else begin print_esc(" "); slow_print(text(p));
end;
\gy
else print_esc(text(p));
\gz

394. Avoid range check if total_pages>65535 (Eberhard Mattes, Dec 1990)
\gx module 642
\gy
dvi_out((total_pages div 256) mod 256); dvi_out((total_pages div 256) mod 256);
\gz

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395. The absolutely final change (to be made after my death)
\gx module 2
\gy
\gd banner==’This is \TeX, Version 3.14’ {printed when \TeX\ starts}
\gy
\gd banner==’This is \TeX, Version $\pi$’ {printed when \TeX\ starts}
\gz

My last will and testament for \TeX is that no further changes be made
under any circumstances. Improved systems should not be called simply ‘\TeX’;
that name, unqualified, should refer only to the program for which I have
taken personal responsibility. -- Don Knuth
METAFONT

Changes since 21 September 1990.

557. The absolutely final change (to be made after my death)
Qx module 2
Qd banner== 'This is METAFO NT, Version 2.7' {printed when \MF\ starts}
Qy
Qd banner== 'This is METAFO NT, Version $e$' {printed when \MF\ starts}
Qz

My last will and testament for METAFO NT is that no further changes be made
under any circumstances. Improved systems should not be called simply
‘METAFO NT’; that name, unqualified, should refer only to the program for which
I have taken personal responsibility. -- Don Knuth

Computer Modern fonts

Changes since 25 March 1990.

No current changes.