PlainT_EX Verbatim

Benjamin T. Shepard July 9, 2022

An inline verbatim such as this is \inline can be made with the delimiters |...|. If visible spaces are desired, use @|...| instead, which will produce this_is_\inline. A display verbatim such as

```
this is \display
```

can be made with | | . . . | |. If visible spaces are desired, use @ | | . . . | | instead, which will produce

```
this_is_\display.
```

Every normal TEX character (except |) as well as all of the special characters can be used inside this environment, as shown in the following example:

```
!$@$#%^&*()-+=\ /.,;''^th@<is$ ]\bye *{ #a ''1\rho > *\tes<t* \undefined .??["
```

Normally, the pipe character | can only be used inside the display verbatim ||...||. However, the macros \makepipeother and \makepipeactive turn the character | into an innocent character and into an active character, respectively. There is also the macro \pipe which expands to \bgroup\string|\egroup. These commands allow for use of the pipe literal | in horizontal mode. For example, both

```
{\tt th\pipe{}s is a pipe}
```

and

\makepipeother{\tt th|s is a pipe}\makepipeactive

will display this is a pipe. Of course, these macros cannot be used inside the |...| or ||...|| environments. In contrast, the character @ is able to be used normally, provided that it is not proceeded by the pipe character; TEX will recognize the sequence @| as the beginning of a verbatim environment. These verbatim environments obey spaces, lines, and blank lines; this allows for code insertion such as

```
void dfs(int p){
    if(o[p]) return;
    o[p]=1;

    c[p]=t++;
    for(int i=0; i<s[p].size(); ++i){
        dfs(s[p][i]);
    }
}</pre>
```

which will compile as expected.

As a backup (in case | is needed), the four commands \bverb...\everb and \bverbatim...\everbatim are provided as substitutes for |...| and ||...||. Furthermore, the commands \bverb and \bverbs gobble the first space of their argument. However, these environments cannot be used with @; instead, use \bverbs...\everbs and \bverbatims...\everbatims. Use this command in front of either environment for visible spaces. For example, the code

\bverbs this is a \test\everbs

will display this_□is_□a_□\test. These commands can also be used to display the | character: the code

\bverb th|s is a pipe\everb

will display this is a pipe, as expected. When the \bverb macro is executed, TEX turns every available character innocent until it scans the exact sequence \everb.

To fix: long lines of code do not wrap correctly.

Oops, the very long line of code is here, it does not fit into the line width unfor■
tunately.