

hello.world.

1 User commands

basic

4
72.26999pt
722.7pt

2 Hooks

Before Begin stuff(outside).At Begin stuff(inside).Begin stuff. This is Stuff! At End stuff(inside).End stuff.After End stuff(outside).

Before Begin equation(outside).At Begin equation(inside).

$$a = b \text{ At End equation(inside).} \quad (1)$$

After End equation(outside).

Before Begin verbatim(outside).Begin verbatim(inside):Some Code.

`\some \code`

End verbatim(inside): Some Code.

After End verbatim(outside).

3 Author commands

3.1 Definitions

3.1.1 Macro definitions

path of PB

path of UF

path of UF

orange= orange= orange= orange

deftestone is defined . After undef, deftestone is undefined.

deftesttwo is defined . After csundef, deftesttwo is undefined.

macro:-jorange

3.1.2 Arithmetic definitions

$2 + 4 * 8 = 34$

$3 + 5 * 7 = 38$

$4 + 6 * 8 = 52$

$1\text{pt} + 2\text{em} = 21.00003\text{pt}$

$3\text{pt} + 1\text{em} = 13.00002\text{pt}$

4pt + 0.5em = 9.0pt
10pt plus 2pt minus 3pt = 10.0pt plus 2.0pt minus 3.0pt
4pt minus 1pt = 4.0pt minus 1.0pt
5mu = 5.0mu

3.2 Expansion control

full expansion: macro:-;first
expand once: macro:-;“lvltwo
csexpandonce: macro:-;“lvlone

3.3 Hook management

x; xAB; xABYZ.
ABxYZ.
xZ.
pre-x.

3.4 Patching

patching: ok
example patched here
relax is not patchable
begin is patchable
first and second
appending to paramacro: ok
first and second. Post
prepending to paramacro: ok
Pre. first and second. Post

3.5 Boolean Flags

boolvar is false.
set to true. boolvar is true.
set to false. boolvar is false.
set to true. boolvar is true.
set to false. boolvar is false.
ltxbool is false
set to true. ltxbool is true
set to false. ltxbool is false
set to true. ltxbool is true
set to false. ltxbool is false

3.6 Generic Tests

noise is not defined.
begin is defined.
relax is defined.
relax is ifundef: true
relax is ifcsundef: true
nosuchmacro is not a macro
relax is not a macro
begin is a macro
nobeginning is un defined.
begin is defined.
relax is not defparam
begin is not defparam
apptocmd is defprotected
ifdefprotected is defprotected
relax is not defprotected
begin is not defprotected
prefix test begin: false
prefix test noise: false
prefix test newrobustcmd: true
prefix test newrobustcmd: true
ifcsltxprotect relax: false
ifcsltxprotect myltxrobust: true
ifdefempty myempty: true
ifdefempty myrelax: false
ifcsvoid myempty: true
ifcsvoid myrelax: false
ifcsvoid letrelax: true
ifcsvoid begin: false
ifdefequal myempty-myrelax: false
ifdefequal letrelax-myrelax: false
ifdefequal begin-begin: true
ifdefequal myempty-myempty: true
ifdefstring mymacro-ampersand: true
ifdefstring myrelax-relax: true
ifdefstring myempty-: true
ifdefstring basic-basic: true
ifcsstrequal basic-basic true
ifcsstrequal relax-relax false
ifcsstrequal myempty-relax false
ifcsstrequal myempty-anotherempty true
ifdefcounter relax: false
ifdefcounter mymacro: false
ifdefcounter tracingmacros: false
ifdefcounter hfuzz: false

ifdefcounter mycount: true
ifdefcounter mycount, after set: true
ifdefcounter latexcounter: false
ifdefcounter latexcounter, after step: false
ifdefcounter myskip: false
ifdefcounter mylen: false
ifdefcounter mydimen: false
ifltxcounter relax: false
ifltxcounter mymacro: false
ifltxcounter tracingmacros: false
ifltxcounter hfuzz: false
ifltxcounter mycount: false
ifltxcounter latexcounter: true
ifdeflength relax: false
ifdeflength mymacro: false
ifdeflength tracingmacros: false
ifdeflength hfuzz: false
ifdeflength mycount: false
ifdeflength myskip: true
ifdeflength mylen: true
ifdeflength mydimen: false
ifdefdimen relax: false
ifdefdimen mymacro: false
ifdefdimen tracingmacros: false
ifdefdimen hfuzz: false
ifdefdimen mycount: false
ifdefdimen myskip: false
ifdefdimen mylen: false
ifdefdimen mydimen: true
ifstrequal test 1 (false): false
ifstrequal test 2 (true): true
ifstrequal test 3 (true): true
ifstrequal test 4 (true): true
ifstrequal test 5 (false): false
ifstrempty test 1 (true): true
ifstrempty test 2 (false): false
ifstrempty test 3 (false): false
ifstrempty test 4 (false): false
ifblank test 1 (true): true
ifblank test 2 (false): false
ifblank test 3 (false): false
ifblank test 4 (true): true
notblank test 1 (false): false
notblank test 2 (true): true
notblank test 3 (true): true
notblank test 4 (false): false

```
ifnumcomp (false): false
ifnumcomp (true): true
ifnumcomp (false): false
ifnumcomp (true): true
ifnumcomp (true): true
ifboolexpr (false): false
ifboolexpr (true): true
```

3.7 List Processing

Itemize list:

- item1
- item2
- item3a, item3b
- item4

Poor man's list:

- * item1
- * item2
- * item3a, item3b
- * item4

Dolistloop itemize:

- itemA
- itemB
- itemC

Forlistloop itemize:

- itemA
- itemB
- itemC
- Total: 3 items

dolistloop search: item found!

3.8 Miscellaneous Tools

```
1995 = 1995
116 = 116
ifnumless (true): true
```