

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).

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

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:-jfirst
 expand once: macro:-j“lvltwo
 cexpandonce: macro:-j“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
 Bold to **italic** Bold to *italic*

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
```