



ConT_EXt Mark IV

ConT_EXt Mark IV
1.6 [2. 2021]

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: Una introducción (no demasiado breve) a ConT_EXt Mark IV
:

() , , , , FDL *Free Software*
Foundation, Creative Commons , .

,

:

- 18. 2020: 1.0 (): .
- 23. 2020: 1.1 (): , .
- 3. 2020: 1.15 (): , .
- 5. 2020: 1.16 (): , , () .
- 6. 2020: 1.17 (): . !
- 21. 2020: 1.5 (): NTG-context .
- 2. 2021: 1.6: , . .

.....	6
I ConT_EXt	9
1 ConT_EXt:	10
1.1 ConT _E Xt?	10
1.2 	10
1.3 	11
1.4 T _E X	11
1.5 ConT _E Xt	12
2 	16
2.1 :	16
2.2 	17
2.3 	20
2.4 „context”	20
2.5 	20
3 ConT_EXt	23
3.1 ConT _E Xt	23
3.2 	25
3.3 	26
3.4 	27
3.5 ,	29
3.6 ConT _E Xt	30
3.7 	31
3.8 	33
3.9 ConT _E Xt	35
4 	37
4.1 	37
4.2 ConT _E Xt	38
4.3 	40
4.4 	40
4.5 T _E X	41
4.6 ConT _E Xt	43
II 	46

5	.....	47
5.1	.....	47
5.2	.....	49
5.3	(\setuplayout)	51
5.4	.....	53
5.5	.....	55
5.6	.....	56
5.7	.....	58
6	ConTeXt	60
6.1	„ConTeXt Standalone”	60
6.2	.....	61
6.3	.....	62
6.4	.....	63
6.5	.....	67
6.6	.....	68
7	.....	73
7.1	.....	73
7.2	.....	73
7.3	.....	74
7.4	.....	75
7.5	.....	80
7.6	.....	81
8	, ,	83
8.1	.....	83
8.2	,	89
8.3	.....	91
9	.....	94
9.1	.....	94
9.2	.....	94
9.3	.....	98
9.4	.....	99
9.5	PDF	101
III	.....	103
10	, ,	104
10.1	.....	104
10.2	.....	109
10.3	.....	112
10.4	.....	113
10.5	.....	114
11	,	119
11.1	.....	119

11.2	.....	120
11.3	ConT _E Xt	122
11.4	.....	125
11.5	.....	126
11.6	.....	127
12	.....	130
12.1	.....	130
12.2	.....	134
12.3	.....	137
12.4	.....	142
12.5	.....	144
12.6	.....	146
13	,	148
13.1	?	148
13.2	.....	148
13.3	.....	153
13.4	,	156
13.5	.....	159
.....	.....	162
, ConT _E Xt	.....	163
1	„ConT _E Xt Standalone”	163
2	LMTX	166
3	ConT _E Xt (Unix)	168
.....	.....	169
.....	.....	173

- 10 11 : , ... , , , , , .
- 12 ; ; , : , , , .
- , 13 , : .
- . ConT_EXt, – , ConT_EXt .
 - : , (, ...), XML, Lua , , MetaPost , . , ConT_EXt,
 - , „ ConT_EXt Mark IV”; , : , 300 . ConT_EXt, .
 - , () , . . , ; , , ,
 - . , .
- , , , L^AT_EX . „*The Not So Short Introduction to L^AT_EX 2_ε*”.
 - , : , L^AT_EX ConT_EXt. L^AT_EX; ConT_EXt,
 - . , . . .

I ConT_EXt

ConT_EXt:

: 1.1 ConT_EXt?; 1.2 ; 1.3 ; 1.4 T_EX ; 1.4.1 T_EX ; 1.4.2 T_EX; 1.5 ConT_EXt; 1.5.1 ConT_EXt; 1.5.2 ConT_EXt L^AT_EX; 1.5.3 ConT_EXt; 1.5.4 ConT_EXt;

1.1 ConT_EXt?

ConT_EXt , : . . , ConT_EXt.

- ConT_EXt Mark II Mark IV. ConT_EXt Mark II , . , . , ConT_EXt Mark IV . , , . ; . , . ConT_EXt Mark IV.
- ConT_EXt *libre* (,). , (ConT_EXt), . „Creative Commons” .
- ConT_EXt , . , ConT_EXt:
 - .
 - , ConT_EXt . , ConT_EXt ; , ConT_EXt .
 - , („context”¹) PDF .
- , ConT_EXt ConT_EXt. , , PDF ConT_EXt .

1.2

(, , , ...) . ; . , , . , . — ” — , . , , . . — , — , . ; , , : (, , ...), , , , , , — , , , , . ” ” .

¹ ConT_EXt (). , , . „ConT_EXt”, , (ConT_EXt). , , „context” , .

1.4.1 T_EX

T_EX libre : ô , , „T_EX”. , T_EX . T_EX , , , pdfT_EX, ε-T_EX, X_ET_EX LuaT_EX. . , , LuaT_EX , , , .
T_EX T_EX . ConT_EXt Mark IV LuaT_EX. , ConT_EXt , T_EX Mark II (PdfT_EX XeT_EX) Mark IV (LuaT_EX).

1.4.2 T_EX

T_EX 300 , , . , , „ 0,000725 ”. T_EX , , . , , T_EX (**\T_EX**) , :

```
T
\kern -.1667em
\lower .5ex
\hbox {E}
\kern -.125em
X
```

„**\T_EX**” .

, T_EX . , , . .

T_EX . , 600 , 300 , „Plain T_EX”. T_EX Plain T_EX, T_EX, Plain T_EX. T_EX („The T_EXBook”), Plain T_EX; T_EX Plain T_EX.

Plain T_EX T_EX , , . Plain T_EX , L^AT_EX, T_EX 1985. T_EX , . ConT_EXt (), L^AT_EX, T_EX.

„tex” () . T_EX, , , , . T_EX, T_EX .

1.5 ConT_EXt

ConT_EXt T_EX , . ConT_EXt :

1. T_EX . Plain T_EX 900 , ConT_EXt 3500; , 4000 . ConT_EXt .
 , - . , , ConT_EXt : **\bi, \italicbold \bolditalic**.
2. MetaPost, MetaFont, T_EX.
3. PERL (), RUBY (,) LUA ().
4. T_EX, MetaPost, LUA XML, , .

? . . ConT_EXt, . . . ConT_EXt .
 ConT_EXt „ ” . ConT_EXt .
 ConT_EXt T_EX , T_EX, , , .
 , ConT_EXt T_EX . T_EX, () . ConT_EXt T_EX, ,
 , , , .

1.5.1 ConT_EXt

ConT_EXt 1991. . „*Pragma Advanced Document Engineering*”,
 Pragma ADE. T_EX *Pragmatex*, . ConT_EXt
 . . 1994. , 1996., , „ConT_EXt”. „T_EX” (‘con’
 ”), () „.”, „T_EX”, „text” „context”.

, , ConT_EXt ” ”, .

2005. , ConT_EXt Mark II, ‘II’ ‘I’, . , , ,
 , , . , ” ConT_EXt , .

, ConT_EXt Mark II pdfT_EX T_EX . , X_ƎT_EX , ConT_EXt Mark II
 pdfT_EX. LuaT_EX, ConT_EXt . ConT_EXt Mark IV, 2007. ,
 LuaT_EX . ConT_EXt LuaT_EX ConT_EXt, , LuaT_EX.
 ConT_EXt Mark IV LuaT_EX . ConT_EXt LuaT_EX T_EX;
 LuaT_EX ConT_EXt.

Mark II Mark IV, , , , : . , , , , .



() Mark II Mark IV. , ConT_EXt , ConT_EXt (). Mark II Mark IV;
 , Mark II. .

, , „” ConT_EXt. , Mark II Mark IV ; ,
 ; Mark II Mark IV.

ConT_EXt, Mark II Mark IV . , , Mark II, „.mkii” , „.mkiv”
 Mark IV. ConT_EXt „.tex” , ConT_EXt .

ConT_EXt , „ConT_EXt Standalone”, , – – . Mark II „texexec”,
 Mark IV „context”.

, „context” „texexec”, Lua „mtxrun”.

Mark II , Mark IV , Mark II , Mark IV ; , „” ,
 , . , – , „ConT_EXt Standalone” – („ConT_EXt
 Standalone”).

LMTX Mark IV

ConTeXt, ConTeXt Mark IV; , Mark IV Mark IV and Mark II.

Mark IV Mark VI, Mark IX Mark XI. , ConTeXt Mark VI, Mark IV
 , TEX.

ConTeXt LMTX . LMTX luametaTEX: TEX LuaTEX, ; LMTX
 ConTeXt Mark IV.

LMTX 2019. Mark IV . ; , LuaTEX, luametaTEX. ,
 ConTeXt, (3).

1.5.2 ConTeXt L^ATEX

L^ATEX TEX, ConTeXt. , TEX ; , : ()
 . , L^ATEX ConTeXt , . L^ATEX TEX, , L^ATEX .
 TEX TEX . , ConTeXt . , , . , ConTeXt
 , TEX L^ATEX.

. L^ATEX , TEX. , . , . L^ATEX : ,
 L^ATEX, , ; , . L^ATEX , .

L^ATEX , ConTeXt – – TEX, , . ConTeXt , ,
 , .

ConTeXt , L^ATEX , : ConTeXt , , ,
 ConTeXt .

. , , L^ATEX; , , , ,
 ConTeXt, ; , .

1.5.3 ConTeXt

ConTeXt, (), , (ConTeXt-) : , , , , . ,
 „context”, . () , , , , , .

ConTeXt : . ConTeXt , . ConTeXt
 , , , , , :

1. ” , , . : ; .
2. , , .
3. , ConTeXt .
4. , () : , , .
5. , .

6. , , , , .

7. .

8. .

, , ConT_EXt, , , . , . ConT_EXt, , 3500
 , ConT_EXt . , , , , , 15 20 .
 , . ConT_EXt , ConT_EXt .

1.5.4 ConT_EXt

, ConT_EXt. , . , ConT_EXt, „context”
 . ConT_EXt „context”; , „tex”, „Mark IV” „Hans Hagen” (ConT_EXt) „Pragma ADE”, . : „contextgarden”.

ConT_EXt, „ConT_EXt Standalone”, [TeX – LaTeX Stack Exchange](#),
 ConT_EXt ([NTG-context](#)). ConT_EXt, .

: 2.1 : ; 2.2 ; 2.3 ; 2.4 „context”; 2.5 ;

ConTeXt , .

2.1 :

1. . : , , , , (.), (libre), TEX , , . , ;
, , ConTeXt .
GNU Emacs, ; , „Emacs-” „Emacs-”. GNU Emacs
AucTeX TEX . , AucTeX L^ATEX ConTeXt . GNU Emacs
AucTeX ; libre , . , GNU Emacs libre , . ,
GNU .
GNU Emacs + AucTeX, , , Scite TexWorks. , ConTeXt ,
, ConTeXt , „ConTeXt Standalone” . , TexWorks TEX
. ConTeXt „ConTeXt Standalone” .
, , OpenOffice Writer Microsoft Word. , , , ’ (txt),
, ConTeXt.

2. ConTeXt . TEX (L^ATEX) , ConTeXt. ,

```
$> context --version
```

```
, („$>”) . ; .
```

ConTeXt , :

```
mtx-context | ConTeXt Process Management 1.03
mtx-context |
mtx-context | main context file: /home/jq/context/LMTX/tex/texmf-context/
            | tex/context/base/mkiv/context.mkiv
mtx-context | current version: 2020.04.30 11:15
mtx-context | main context file: /home/jq/context/LMTX/tex/texmf-context/
            | tex/context/base/mkiv/context.mxl
mtx-context | current version: 2020.04.30 11:15
```


- ... , ... „ConT_EXt Standalone” [ConT_EXt](#) .
3. **PDF** , ... Windows Mac OS Adobe Acrobat Reader. (Microsoft Windows 15), ... PDF , ... Linux/Unix Acrobat Reader , ... PDF . , ... , MuPDF; , ; ; ... MuPDF , Okular, qPdfView. , : .
- ... , PDF , ConT_EXt ... *libre* !

2.2

... „odmor.tex”. :

```
%
\mainlanguage[sr] % =
\setuppapersize[S5] %
\setupbodyfont
  [dejavu,12pt] % = DejaVu Serif, 12
\setuphead %
  [chapter]
  [style=\bfc]
\starttext %
\startchapter
  [title= ...]

, , .
, , .
, .
, !
, , .

\stopchapter
\stoptext %
```

... , ... „\” , ...

, UTF-8. , , , , , , GNU Emacs
CTRL-X, 'f, (GNU Emacs -) . „Save as” .

ConT_EXt

„%”. ConT_EXt . , . , .

„\”, ConT_EXt . ConT_EXt : , , . , ,
: „\”, , , , . .

() \starttext: ConT_EXt ; , \stoptext .
. , . ConT_EXt .

, ConT_EXt , „odmor.tex”.

. , ConT_EXt , . () ; . „context” .

ConT_EXt „ConT_EXt Standalone”, ConT_EXt . Linux/Unix ,
:

\$> source ~/context/tex/setuptex

ConT_EXt „context”.

, „ConT_EXt Standalone”.

„context”, .

\$> context odmor

„odmor.tex”, „context” . „odmor.mkiv”, (Mark IV),
, „context odmor.mkiv”.

„context”, ConT_EXt . , , „.log”. , , .

, , . , ConT_EXt , . , . ,
„context” :

- odmor.pdf
- odmor.log
- odmor.tuc

, , PDF. „.log” ; ConT_EXt . , , (odmor.log odmor.tuc). , .

, :

- ConT_EXt , , „context”, „command unknown”.
- UTF-8 , .
- ConT_EXt Mark II. UTF-8 . , Mark IV, Mark II: „ConT_EXt Standalone”.
- .

„context” , , , CTRL-X ConT_EXt .

, .

1

1 Годишњи одмор...

Пепсико, Пепсико, хајдемо у Мексико. Никада, никада,
јер ја немам долара. Ко има долара, купа се на плажи.
Ко нема долара, кући на гаражи! Пепсико, Пепсико, хај-
демо у Мексико.

2.1 ...

2.1 „odmor.pdf”. ConT_EXt , . ConT_EXt ,
(\mainlanguage[sr]).

: ConT_EXt . , , , .

2.3

```

, \starttext ... \stoptext. \starttext . \starttext
\stoptext. : , (\mainlanguage), (\setuppapersize) „S5” ,
(\setuphead) .

\starttext \stoptext. : ConTEXt , , . ,
\starttext \stoptext ConTEXt , , ( 4.6), .

```

2.4

„context”

```

„context”      LUA ,      LUA      LuaTeX, .
„context”      . ,      . , . „help”      :
$>context --help
:
interface:      , ConTEXt      . , ,      (nl), (fr), (it), (de) (ro).
purge, purgeall:      .
result=Name:      PDF .      , .PDF.
usemodule=list:      ConTEXt ( ConTEXt      ).
useenvironment=list:      ConTEXt (      ).
version:      ConTEXt.
help:      .
noconsole:      . ,      .log .
nonstopmode:      . , ConTEXt , , , .
batchmode:      .
ConTEXt      ,      . ,      .

```

2.5

ConT_EXt . :

1. . . . , \TeX \Tex 'x', ConTeXt , „TeX” „Tex” ;
2. . ConTeXt ; \$, . '{' \start
'}' \stop.
3. . , , .
4. . : ConTeXt , .
„context”, , ? . „.log” ; , , „context”.

```

4
5 \setuppapersize[S5] %
6
7 \setupbodyfont
8 [dejavu,12pt] % = DejaVu, 12
9
10 \setuphead %
11 [chapter]
12 [style=\bfc]
13
14 >> \starttext %
15
16 \startchapter
17 [title= ..]
18
19 , , .
20 , , .
21 , , .
22 , !
23 , , .
24
mtx-context | fatal error: return code: 256

```

2.2

, „odmor.tex”, \starttext \starttext ('t'), , „context rain”
2.2. , 14, , „>>” . „odmor.log” . , ;
. „odmor.log” ConTeXt . , . „tex error”, :

```

tex error > tex error on line 14 in file |
./odmor.tex: Undefined control sequence \undefined

```

```

<line 3.14>
\starttext
%

```

```

: „odmor.log” . , , . '|' .

```

```

, ( 14) : „Undefined control sequence”, , : , . 14, .
\starttext. , „starttext” „starttext” ( 't').

```

```

, . „starttext” „starttext”. , . .

```

. , . , „.log” „tex error”, . , . , .
„.log” , , , . \stoptext. ConT_EXt . , \stoptext ,
, ; , , , ... , , \stoptext, . , , , , ,
. , .
, ConT_EXt , , , , .

ConT_EXt

: **3.1** ConT_EXt ; **3.2** ; **3.3** ; 3.3.1 ; 3.3.2 (); **3.4** ; 3.4.1 ; 3.4.2 (\setupNesto); 3.4.3 (\defineNesto); **3.5** , ; **3.6** ConT_EXt ; **3.7** ; 3.7.1 ; 3.7.2 ; **3.8** ; 3.8.1 ; 3.8.2 ; **3.9** ConT_EXt;

, , ConT_EXt . „ „ „ „ „ „ .

ConT_EXt (T_EX), . , . ConT_EXt , . , :
 . , ConT_EXt , . , .

ConT_EXt ; . , T_EX, , .

ConT_EXt , .

3.1 ConT_EXt

ConT_EXt , , . ConT_EXt . , ConT_EXt , 11 .

11 ? . 11 ; , „\”, , . ConT_EXt 3000 (Mark II, Mark IV).

:

\ % { } # ~ | \$ _ ^ &

ConT_EXt :

\ : . „ (Escape) ” „ ” („Esc”).¹

¹ escape () . , escape 27 ASCII , escape . Escape .

% ConT_EXt . . . , , ;
. , , ; , , ,
, .

{ . . 3.8.1.
} {.

. . 3.7.1 .

~ , ~ . 11.3.1.

| , . 10.4.

\$. , . , ConT_EXt , . ConT_EXt, . , !

- . , x_1 , $\$x_1\$$.

^ . , $(x+i)^{n^3}$ $\$(x+i)^{n^3}\$$.

& ConT_EXt , . Plain T_EX : , . „ConT_EXt
Mark IV, an Excursion”, , Plain T_EX, . , .

16%. , . , , 100 (\$100), 2018. 65
3.1.



```

\ \backslashslash
% \%
{ \{
} \}
# \#
~ \lettertilde
| \l
$ \$
- \_
^ \letterhat
& \&

```

3.1

\type. , . \type .
\type . , , \type. : \type*{*, \type+}+.
, , , :

1. , .

2. „~” „%” ; „~” , ; „%” . „\” ConT_EXt . , „\” .

3. : (_ ^ &): , .



. ConT_EXt ; , ; , , L^AT_EX.

3.2

„\” . , :

• • („\”) , „\,” „\1” „\’” „\%” . , , , . (), □ • , „\□” () , .

„” . „The T_EXBook” „□” . „1□□2”.

• • , . ; , . ConT_EXt , \mojakomanda \MojaKomanda . \MojaKomanda1 \MojaKomanda2 , '1' '2' , .



ConT_EXt , „” „ConT_EXt Standalone”. T_EX (, „”).

ConT_EXt („\”), . . , . , ConT_EXt , .

„-” , , , ConT_EXt . ConT_EXt , , . ,

\TeX \ConTeXt.
\TeX, , \ConTeXt

:

T_EX ConT_EXt.

T_EX, , ConT_EXt.¹

„T_EX” , . „-” \TeX , ConT_EXt , , , .

, , ,

\TeX □ □ \ConTeXt².

, ConT_EXt (4.2.1) . , () „-” . :

¹ : , : ô ; ô ConT_EXt , .

² „□”, 25.

- „{}“: „{“, „}“ , „{}“ . ConT_EXt „{\TeX}“: „-“ \TeX .
- „_“ (, 25). ConT_EXt, ConT_EXt (\TeX) („_“):
 - ConT_EXt \ 'T' , „-“, \ .
 - \TeX, T_EX .
 - „-“, „-“, .
 - , () .

, , , , .

, (T_EX) „-“ . , :

```
\def\txt-{\TeX}

\txt, \TeX \txt-, , TEX, : , \txt-,
ConTEXt \TeX , , .

" \define , ConTEXt .
```

3.3

3.3.1

ConT_EXt , (, , , .), , , \bf , , \tf, \it.

, (, , , , .)

(3.8.1), , , .

<pre>{\it The \TeX Book}, {\sc } \TeX.</pre>	|	<p><i>The T_EX Book</i>, T_EX.</p>
--	--	--

, \it () \sc () .

, , . \framed: ,

```
\framed{ }
```



() , , , , , .

`\framed`, — . , . , `\it \color` : (). , .

3.3.2

()

. : , . „start”, , „stop”, , . „itemize”
`\startitemize` , `\stopitemize` .

ConTeXt . „start ... stop”. , L^AT_EX , ConTeXt „” (4.6). , , , .

„.log”¹ ;
 ConTeXt , „.log” .

, , , . , . :

```
\startNesto
...
\startNestoDrugo
...
\startJosNestoDrugo
...
\stopJosNestoDrugo
\stopNestoDrugo
\stopNesto
```

„JosNestoDrugo” „NestoDrugo”, . , .

, . , „narrower” ; „framedtext” . :
 , `\framed`, () „framedtext” .

, (3.8.1), , ; ConTeXt `\start` (; *start*.
) `\stop`. .



ConTeXt , , . , , : `\definestartstop` (3.7.2) , (3.8.1).



(`\start`) : , . .

3.4

3.4.1

. .

¹ ; . ConTeXt L^AT_EX, .

```
\framed . . . ; . . . \framed :  
  
\framed{} |   
  
:  
  
\framed |   
[width=3cm, height=1cm]  
{}  
  
. . . ; ( ) , , :
```

```
\framed[width=3cm,height=1cm]{}  
  
\framed[width=3cm, height=1cm]{}  
  
\framed  
[width=3cm, height=1cm]  
{}  
  
\framed  
[width=3cm,  
height=1cm]  
{}
```

: . . . ; , , , ConTeXt , , , . ”
() .
, (3.5).

3.4.2

(\setupNesto)

. . . , , , . \setup, .

\framed . . . , , , \setupframed \framed.

\setupframed
[
width=3cm,
height=1cm
]

\framed 3 1 , .

300 ConTeXt . (\framed), („itemize”), (\chapter), (\section),
.

3.4.3

(\defineNesto)

```

\framed, , , \framed, . ConTEXt \defineframed
, :

\defineframed[] []

; .

, . (\framed).

\framed, \setup . \defineNesto + \setupNesto ConTEXt .
\defineNesto, :

• .
• .
• , .

, . , , , , . , „MojSpecijalniOkvir”,
\setupframed . \setup :
\defineframed[MojSpecijalniOkvir]

\setupframed
[MojSpecijalniOkvir]
[ ... ]

```

3.5 ,

. ConT_EXt

- „\”.
- .
- .
- .
- , \buildtextcedilla (- 'ç'), :
- , .

- \vdots
- \vdots
- \vdots :
 - $(\text{ConT}_{\text{E}}\text{Xt})$, \vdots , \vdots , \vdots .
 - \vdots (3.6) \vdots .
 - ★ \vdots , \vdots , \vdots .
 - ★ \vdots , \vdots , \vdots .
 - \vdots () \vdots .
- \vdots , ConT_EXt \vdots ,
 - $\backslash\text{komanda}[\text{Opcija}, \text{Opcija2}, \dots]$
 - $\backslash\text{komanda}[\text{Promenljiva1}=\text{vrednost}, \text{Promenljiva2}=\text{vrednost}, \dots]$
 - \vdots
 - $\backslash\text{komanda}[\text{Opcija1}, \text{Promenljiva1}=\text{vrednost}, \dots]$

3.6 ConT_EXt

ConT_EXt \vdots , \vdots „setup-en.pdf” ConT_EXt.
 „tex/texmf-context/doc/context/documents/general/qrcs”.

„qrc”, ConT_EXt \vdots , \vdots , \vdots : „setup-” (), „setup-mapping-”.

ConT_EXt, \vdots ; \vdots () + setup + define. \vdots $\backslash\text{blank}$,
 $\backslash\text{setupblank}$ \vdots , \vdots ($\backslash\text{defineblank}$).

„setup-en.pdf”, ConT_EXt. \vdots Mark II Mark IV, \vdots ConT_EXt

3.7

3.7.1

```

\defineNesto , .

, ( , ), ConTEXt , . , , . , ,
. , , , , .

, , , „O Tite tute Tati tibi tanta tyranne tulisti” ( , , !).
, , , „” . , :

\define\Tite{\quotation{O Tite tute Tati tibi tanta tyranne tulisti}}

, \Tite , , , , , ... . , (x1, ..., xn) ,
\Tite \tite, . , , ( ) . , (x1, ..., xn) ,
.

\define\xvec{$(x_1,\ldots\thinspace,x_n)$}

\xvec, .

, \define :

\define[]\{}

• . , , .
• . . , „-” .
• , .

, .

: . :

\define\ZaglavljePisma{
\rightaligned{ }\par
\rightaligned{}\par
, \date\par
,\par
}

. . :

\define[1]\ZaglavljePisma{
\rightaligned{ }\par
\rightaligned{}\par
, \date\par
. #1,\par

```

```

}

. \define , 1 ([1]). ConTEXt . , , „ . #1,” , „#”.
„#1” . , „#1” , „#2” . ( ) , , . , :

\ZaglavljePisma{ }

: \ZaglavljePisma{ }.

, ( „ ”), . :

\define[2]\ZaglavljePisma{
\rightaligned{ }\par
\rightaligned{ }\par
, \date\par
#1\ #2,\par
}

, ,

\ZaglavljePisma{ .}{ }

( ). (/; 0/1; /) . , - .

```

3.7.2

, ConT_EXt `\definestartstop` :

`\definestartstop[] []`



`\definestartstop (3.6)` , . ConT_EXt „Excursion”, . ()
, . ConT_EXt .

- .
 - . :
 - before – .
 - after – .
 - style – .
 - setups – `\startsetups ... \stopsetups.` .
 - color, inbetween, left, right – . , color, , , .
- :

`\definestartstop`




```

[TextWithBar]
[before=\startmarginrule\noindeatation,
 after=\stopmarginrule,
 style=\ss\sl
]

\starttext

:

\startTextWithBar

\startitemize[n,broad]

\item .

\item .

\stopitemize

\stopTextWithBar

\stoptext

:

```



```

:

1. .

2. .

```

(3.8.1), ConT_EXt , \bgroup „before” \egroup „after”.

3.8

, ConT_EXt. , , ; : .

3.8.1

ConT_EXt (). . :

- „{” \bgroup.
- \begingroup
- \start

- (\startNesto).
- („,\$”).

- „}” \egroup.
- \endgroup
- \stop
- (\stopNesto).
- („,\$”).

, , \hbox, \vbox , , ¹. (), . „{” „}”, \begingroup
\endgroup. , „{” \egroup, \bgroup „}”; „{” \bgroup
, „}” \egroup.
\bgroup \egroup . , T_EX , , , .
, \begingroup \endgroup \bgroup ... \egroup \begingroup
\endgroup. . , .
(), : . , „{}”. , , , .
: , „” . , ConT_EXt , , , .
\it, \bf, \sc, . : , ConT_EXt , , .

```
\define\A{B}
\A
{
  \define\A{C}
  \A
}
\A
```

\A, ('B'). \A. , ('C'), \A , 'B'. „” .
. , . , „^” , , ; „\$4^2x\$” „4²x”.
„\$4^{\{2x\}}\$” „4^{2x}”.
, ConT_EXt . (3.5) .

3.8.2

ConT_EXt , . T_EX . ; , , ; ; , .
ConT_EXt . 3.2 .

¹ ConT_EXt , .

ConT_EXt

in	1 in = 2.54 cm
cm	2.54 cm = 1
mm	10 mm = 1 cm
pt	72.27 pt = 1
bp	72 bp = 1
sp	65536 sp =
pc	1 pc = 12
dd	1157 dd = 1238
cc	1 cc = 12
em	
ex	

3.2 ConT_EXt

3.2 ; , . , , . 1 „em” „M”, „ex” „x”.
 .
 , , ConT_EXt . , , „0”, ’0pt’ ’0cm’. , . , ,
 (.) (,).
 . ConT_EXt . , ConT_EXt **\parindent**. ,
 ConT_EXt. , , :
\parindent=0pt
\parindent 0pt () \parindent0pt .
 , ”. , , , , .
 ConT_EXt ”, , , . :
\ plus minus

\parskip 3pt plus 2pt minus 1pt

ConT_EXt **\parskip () 3** , , 5 (3 2) 2 (3 1). ConT_EXt
 2 5 .

3.9 ConT_EXt

ConT_EXt . , ConT_EXt : , , , .
 .

ConT_EXt, (ConT_EXt 5):

1. ; 4 .

2. (6).

3. , , , . 7.

4. , 12.3.

5.

, . . ; , ConT_EXt :

- .

- , ; `\setup` .

- , , .

, (3.6), . , , ,
ConT_EXt . , „ConT_EXt Standalone” . , „grep” (GNU
Linux) .

ConT_EXt: () , : , : – – . ConT_EXt .

: 4.1 ; 4.2 ConT_EXt ; 4.2.1 ; 4.2.2 ; 4.2.3 /; 4.3 ; 4.4
; 4.5 T_EX ; 4.5.1 \input; 4.5.2 \ReadFile \readfile; 4.6 ConT_EXt ;
4.6.1 ; 4.6.2 ; 4.6.3 ; 4.6.4 , , ;

, ConT_EXt , , ConT_EXt PDF .

”

4.1

() () . , ô . .
 , . . .
 . , , ASCII („American Standard Code for Information Interchange”)
 128 1963 . 128 ; , (, ,) . ASCII , 127 ()
) 7 , , 8 . . 8 , ASCII 7 , .
 , ASCII , , 'ñ' , 'ç' , . , ASCII , . , ,
 (Microsoft, Apple, IBM, .).
 . , , () (UTF-8, UTF-16, UTF-32, .) , UTF-8
 , (1 4), . ASCII.
 X_YTeX, TeX – , – ASCII; , .
 ConTeXt Mark IV UTF-8. , . Windows, Microsoft (, !). () .
 , , . ConTeXt Mark IV UTF-8, , , ().
 ()
 . UTF-8, , ; Linux , , `iconv recode`.
 . UTF-8. , `\enableregime`, :
`\enableregime[]`

ConT_FXt . 4.1 ConT_FXt.

	() ConT _E Xt
Windows CP 1250	cp1250, windows-1250
Windows CP 1251	cp1251, windows-1251
Windows CP 1252	cp1252, win, windows-1252
Windows CP 1253	cp1253, windows-1253
Windows CP 1254	cp1254, windows-1254
Windows CP 1257	cp1257, windows-1257
ISO-8859-1, ISO Latin 1	iso-8859-1, latin1, il1
ISO-8859-2, ISO Latin 2	iso-8859-2, latin2, il2
ISO-8859-15, ISO Latin 9	iso-8859-15, latin9, il9
ISO-8859-7	iso-8859-7, grk
Mac Roman	mac
IBM PC DOS	ibm
UTF-8	utf
VISCII	vis, viscii
DOS CP 866	cp866, cp866nav
KOI8	koi8-r, koi8-u, koi8-ru
Mac Cyrillic	maccyr, macukr
	cp855, cp866av, cp866mav, cp866tat, ctt, dbk, iso88595, isoir111, mik, mls, mnk, mos, ncc

4.1 ConT_EXt

ConT_EXt Mk IV UTF-8. , UTF-8.



`\enableregime` ConT_EXt `\useregime` . , `\enableregime`, `\useregime` , . .

4.2 ConT_EXt

. 3.1, ConT_EXt , . , , ConT_EXt , . , , .

4.2.1

. ConT_EXt (Tab) . () .

.

.

ConT_EXt . , , ConT_EXt . „\u”, \ . 10.3.

, , . ,

```

    {\em La Romántica
Banda Local}
. , "El Egiptio" :
\quotation{{\em Esto es una farsa más que una comedia, página muy seria
de la historia musical; sueños de princesa, vicios de gitano pueden en
su mano acariciar la verdad}}, , ,
(comedia-histeria-seria, gitano-mano).

. . ( ) .

, ! ? (GNU Emacs) ConTEXt . , .

. , („{}”), , . , „ {} ”, „ ”, , , .

„~”, : ~ , ~.

```

4.2.2

, „” „Return”.

ConT_EXt :

a. , . , , .

b. . , (); () .

” ”, ” ”, , . , \blank. 11.2.

, , . ” . , „%” , , , . ,

```

\define[3]\Test{
  {\em #1}
  {\bf #2}
  {\sc #3}
}

, , ,

\define[3]\Test{%
  {\em #1}%
  {\bf #2}%
  {\sc #3}%
}

, % .

```

4.2.3 /

- . , () („-”); :
- (), (-).
 - (), (-). , () , ; „. 12–33”.

- $(\quad)(\text{---})$, \quad , \quad .
- (---) \quad .

UTF-8 \quad , \quad . \TeX / \quad , \quad . \ConTeXt \quad .
: \ConTeXt \quad , \quad . [4.2](#):

<hr/>		
-	-	\hyphen
-	--	\endash
---		\emdash
-	$\text{\$}-\text{\$}$	\minus

4.2 / \ConTeXt

\hyphen \minus \quad . \quad , \TeX , \endash \emdash \quad . \quad , \quad \quad . \quad , \quad \quad .
 'n' , \quad , 'm' \quad .

4.3

\ConTeXt \quad , \quad , \quad , \quad , \quad , \quad .

:

- \quad , \quad ; \quad , \quad , \quad .
- \quad , \quad , \quad ; \quad , \quad .
- \quad , \quad (\quad) , \quad , \quad .

4.4

$\text{\texttt{„text“}}$ \quad , \quad . :

- : $\text{\texttt{„text“}}$ (\starttext).
- : $\text{\texttt{„text“}}$; \quad , \starttext \stoptext .

[4.1](#) \quad . \starttext (\quad 5, \quad), ; \starttext \stoptext \quad \stoptext \quad .

\quad , \quad . \quad , \ConTeXt \quad , \quad , \quad , \quad , \quad , \quad :

- $(\quad$ [10.5](#)).
- $(\quad$ [5.1](#)) $(\quad$ [5.3](#)).


```
%
% :
%
%

\starttext %

...
... %
...

\stoptext %
```

4.1

- (6.3).
- section (7.4) , , section (section 7.5).
- (5.6).
- (section 3.7).
- .

; , . , , , , .

, \starttext \stoptext , , ConT_EXt .

4.5 T_EX

, T_EX \input. ConT_EXt, \input.

4.5.1 \input

\input . :

\input

. , . „.tex”, .

ConT_EXt \input , . , ; ,, \input
 \input . ConT_EXt , , TEXROOT . , .

\input : , „glavni.tex”, \input . :

```
% :

\input MojaKonfiguracija

\starttext

\input NaslovnaStrana
\input Predgovor
\input Glava1
\input Glava2
\input Glava3

...

\stoptext
```

„MojaKonfiguracija.tex” ., \starttext \stoptext .
 , , . , , :

```
% :

\input MojaKonfiguracija

\starttext

% \input NaslovnaStrana
% \input Predgovor
% \input Glava1
% \input Glava2

\input Glava3

...

\stoptext
```

3. , .

9.2.

\input, , \starttext \stoptext, , . , ,
 , .

4.5.2 \ReadFile \readfile

, ConTeXt \input, . , ConTeXt \input.

\ReadFile{}

\input , , \input , \input . \ReadFile . ,
 ConTeXt \ReadFile, .tex. , ,

\ReadFile MojFajl

```

ConTeXt      „M.tex”,      \ReadFile ( , , ) 'M'. ConTeXt
„M.tex”, \ReadFile      , ConTeXt      'M' „MojFajl”,      „ojFajl”.

\readfile      \ReadFile

\readfile{}{}{}

      \ReadFile:      .      ,      .      .      , ( ), ( ).

```

4.6 ConTeXt

ConTeXt : , , . , :

4.6.1

```

      ,      ,      . ,      \starttext; : .

„ ”      ConTeXt ,      „ ” „ ”.

ConTeXt ,      „.tex”,      ,      „.env”. , ConTeXt      .      'env'. :
„MojMakroi_env.tex” „env_MojiMakroi.tex”.      :

```

```

\startenvironment MojeOkruzenje

  \mainlanguage[sr]

  \setupbodyfont
    [dejavu]

  \setupwhitespace
    [big]

  ...

\stopenvironment

```

```

,      \startenvironment \stopenvironment. \startenvironment      ,
.

      ,      ,      \startenvironment      ,      , () .

      ( ).      \environment.      () ConTeXt ,      .

\environment      :

\environment

\environment []

```



```

\startproject MojaKolekcija

\environment MojeOkruzenje
\environment MojiMakroi

\product Knjiga1
\product Knjiga2
\product Knjiga3

...

\stopproject

```

, , , ; : ; ; .

, . (,) PDF. \product , : .

: . ConTeXt, \project , . \environment
\startproject; , \environment \startproduct \startcomponent.
\environment \component, \project , . \project \Project[]
.

:

. \environment \starttext \startcomponent. .

. \environment \startproduct. , .

. \project : ().

4.6.4 ,

,

, , : , , \start , , . , , , ConTeXt , , ,

.

, , \startproduct \startenvironment . , , . , .

: ConTeXt TEXROOT. , \project, \product, \component
\environment , , , , , , .

II

```

: 5.1 ; 5.1.1 ; 5.1.2 ; 5.1.3 ; 5.1.4 ; 5.2 ; 5.3 (\setuplayout);
5.3.1 ; 5.3.2 ; 5.3.3 ; 5.3.4 ; ; ; 5.4 ; 5.5 ; 5.5.1
\page; 5.5.2 ; 5.6 ; 5.6.1 ; 5.6.2 ; 5.6.3 section ; 5.7
;

```

ConTeXt . , , . , .

5.1

5.1.1

ConTeXt A4 , . \setuppapersize . . :

```
\setuppapersize[] []
```

¹ , ; , . , ; , , 8 16 (, 1960).
ConTeXt ; , \setuparranging ().

(). :

- A, B C ISO-216 (A0 A10, B0 B10 C0 C10), .
- : letter, ledger, tabloid, legal, folio, executive.
- RA RSA ISO-217 .
- G5 E5 SIS-014711 ().
- : (envelope 9 envelope 14) ISO-269 (C6/C5, DL, E4).

¹ 3.5 ConTeXt : , ConTeXt , .

- CD, CD .
- S3 – S6, S8, SM, SW , .
- `\setuppapersize` : „portrait” () „landscape” () .



ConT_EXt, `\setuppapersize` „rotated”, „90”, „180”, „270”, „mirrored” „negative”.
 „rotated” , . , „rotated”, . „mirrored” „negative”.

`\setuppapersize`, , , . „oversized” – ConT_EXt –
 .
 , : „undersized”, „doublesized” „doubleoversized”. ; (3.6) .

5.1.2

, :

1. `\setuppapersize` .
2. , .

`\setuppapersize`

, `\setuppapersize` :

`\setuppapersize[] []`

`\definepapersize` () , . :

- `width`, `height` .
- `page`, `paper`. , . „page” `\setuppapersize` ()
 „paper” . (A4, S3, .).
- `scale`, .
- `topspace`, `backspace`, `offset`, .

, `\definepapersize`

`\definepapersize[] []`

, :

- `\setuppapersize` (A4, A3, B5, CD, .).
- (), () , („scale”).


```

\setpapersize { , } ; ConTeXt, , .

\definepapersize { , } . ,

\definepapersize[vertical][A4, portrait]
\definepapersize[horizontal][A4, landscape]

```

5.1.3

```

\setpapersize { , } ; , .

\setpapersize { , } \setpapersize { , }

, \setpapersize { , } , \adaptpapersize { , }
\setpapersize, \adaptpapersize .

```

5.1.4

```

ConTeXt . \startMPpage, \startpagefigure \startTEXpage.
MetaPost, ConTeXt, . : . (\startTEXpage)
. :

\startTEXpage[] ... \stopTEXpage

:

```



- **strut.** . ConTeXt , *strut* , , , „yes”, „no”, „global” „local”, „no”.
- **align.** . „normal”, „flushleft”, „flushright”, „middle”, „high”, „low” „lohi”.
- **offset** . „none”, „overlay” , .
- **width, height** , „fit” .
- **frame** „off”, „on” .

5.2

```

ConTeXt \setuplayout. , , \setuplayout :

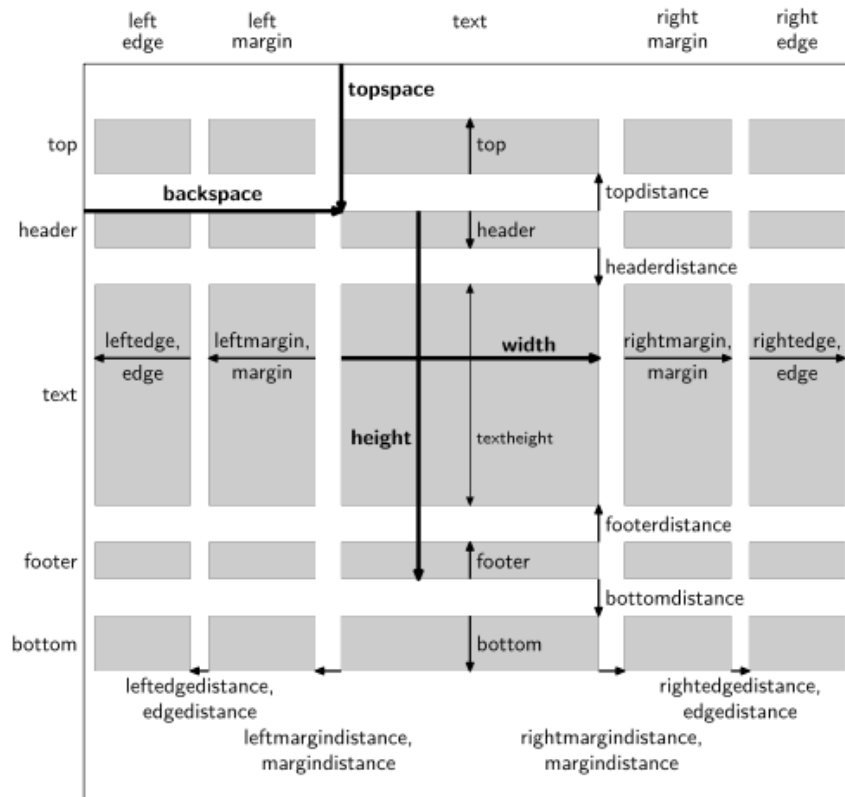
• : . „”, ConTeXt , , ( ), , , .

```

```

- : („top”) („topdistance”). „topspace”.
- „leftedge” „rightedge”. , „edge”.
, , ; , . , .
- „bottom”.
• . ConTeXt ( ). , , , .
:
- margin: .
- leftmargin, rightmargin: , .
- edgedistance: .
- leftedgedistance, rightedgedistance: , .
- margindistance: .
- leftmargindistance, rightmargindistance: , .
- backspace: . , „leftedge” + „leftedgedistance” +
„leftmargin” + „leftmargindistance”.
• : . , , , , , . ConTeXt :
- header: .
- footer:
- headerdistance: .
- footerdistance: .
- topdistance, bottomdistance: . , .
• : . „width” „textheight”. „height”, „header”, „headerdistance”,
„textheight”, „footerdistance” „footer”.
5.1 . , 9 9, , .
, \showsetups. , \showframe; \showlayout .

```



5.1

5.3 (`\setuplayout`)

5.3.1

`\setuplayout`. . . :

`\setuplayout [Name] [Options]`

(5.3.3), , , , , , , , ; .

ConT_EXt , . , , „textheight”; , „width” ().

(`\setuppapersize`) :

- :
 - „backspace” („leftedge” „leftmargin”).
 - „width” () , „fit” „middle”:
 - ★ fit .

- `middle` , .
- :
 - „topspace”.
 - „fit” or „middle” values to „height”. , , .
 - „height”, , „textheight” .
- (). `\setuplayout` „lines” .

(5.1.1) `\setuplayout` :

- **location:** . left, middle, right, top, bottom, singlesided, doublesided duplex.
- **scale:** .
- **marking:** .
- **horoffset, veroffset, clipoffset, cropoffset, trimoffset, bleedoffset, artoffset:** . 2013..

`\setuplayout` `\setuparranging` .

`\textwidth` `\textheight` . , , 60% , „width”
: „width=0.6\textwidth”.

5.3.2

; , , . , ConTeXt `\adaptilayout` .
., . :

`\adaptilayout[] []`

. `\adaptilayout` . , , . , `\adaptilayout` .

:

- **height:** , , . (. „19cm”) (. „+1cm”, „-0.7cm”).
- **lines:** . +, – ().

, . `\adaptilayout` , , . , , ; , , .

5.3.3

```

, , . . , , \definelayou :

\definelayou[/] []

/ , , .

, :

\setuplayou[]

:

\setuplayou[reset]

, , , , , . , 1 2, :

\definelayou[1][...]
\definelayou[3][reset]

1, 3 .

\definelayou[even] ; \definelayou[odd] .

```

5.3.4

•

, . () , () . , . , . , .

```

\setuplayou . ConTEXt : \setuppagenumbering 5.4.
, ConTEXt \setuplayou : , ; : , .

```

•

```

\setuplayou , , . „columns” . , „columnndistance”.
( ) . , , „columns” ( 12.2).

```

5.4

ConT_EXt , . , ConT_EXt , , .

, : \setuppagenumbering \setupuserpagenumber.

\setuppagenumbering :

- **alternative:** (,,singlesided"), (,,doublesided"). ,
 „setuplayout”, „setuplayout” , , () ,
 .
- **state:** , . : start () stop (). () „state=stop” ,
 „state=start” . : .
- **location:** . , . (,,header”), (,,footer”), , : „left”,
 „middle”, „right”, „inleft”, „inright”, „margin”, „inmargin”, „atmargin”
 „marginedge”. : , „location={footer,right}”. , ConTeXt
 .
- **style:** .
- **color:** .
- **left:** .
- **right:** .
- **command:** .
- **width:** .
- **strut:** . , „strut=no”, , „strut=yes” () .

\setupuserpagenumber :

- **numberconversion:** (,,n”, „numbers”), (,,a”, „characters”), -
 (,,A”, „Characters”), (,,KA”), (,,i”, „r”, „romannumerals”), (,,I”, „R”,
 „Romannumerals”) (,,KR”).
- **number:** , .
- **numberorder:** „reverse”, ; 1, 2, .
- **way:** . : byblock, bychapter, bysection, bysubsection, .
- **prefix:** .
- **numberconversionset:** .

, (7.6). , **\defineconversionset** . :

```
\defineconversionset
[frontpart:pagenumber] [] [romannumerals]
```

```
\defineconversionset
[bodypart:pagenumber] [] [numbers]
```

```
\defineconversionset
[appendixpart:pagenumber] [] [Characters]
```

(frontmatter) , (bodymatter) , .

:

- `\userpagenumber:` `\setuppagenumbering` `\setupuserpagenumber.`
 - `\pagenumber:` , .
 - `\realpagenumber:` .
- , . : `\lastuserpagenumber`, `\lastpagenumber` `\lastrealpagenumber.`

5.5

5.5.1 `\page`

ConT_EXt . `\page` :

. .

- **no:** , , .
- **bigpreference:** , .

, , ConT_EXt . , , ConT_EXt .

. ; , .

- **yes:** .
- **makeup:** „yes”, , (13.1).
- **empty:** .
- **even:** .
- **odd:** .

```

- left, right:      ,      ,      .
- quadruple:      4.

, \page      . „disable” ConTEXt \page      , „reset” ,
\page      .

```

5.5.2

```

, \page      .      TEX .
( 11) TEX . TEX ;      .
, TEX ,      ,      . \vbox,
\vbox{}

.

ConTEXt . , „framedtext”,      ( frame=off), .

```

5.6

5.6.1

```

, \setupheadertexts \setupfootertexts. , , .
1. , : \setupfootertexts[pagename] .
2. , , , \setupheadertexts[] [pagename] „” , .
3. , . 5.2, : edge, margin, header... , , , .

, , , , , \setuppagenumbering „alternative=doublesided”.
,

, ( ) , ( ), ( , ) . ,

\setupheadertexts[]
\setupheadertexts[] []

„” , „” „” , , .

```



. ConT_EXt *excursion* ; 2013. . . , , .
/, . ? . .

, . :

- `date, currentdate:` () .
- `pagenumber:` .
- `part, chapter, section...:` , ,
- `partnumber, chapternumber, sectionnumber...:` , ,

: (date, currentdate, pagenumber, chapter, chapternumber,.) ;
, , , , , \setupheadertexts[chapternumber] ; \setupheadertexts[chapternumber] : „chapternumber”. , , :

- `date, currentdate pagenumber` , (\date, \currentdate \pagenumber).
- `part, partnumber, chapter, chapternumber, . \getmarking[Mark]`
`Mark . , , \getmarking[chapter]` , `\getmarking[chapternumber]` .
, \noheaderandfooterlines . , \page[blank].

5.6.2

\setupheadertexts \setupfootertexts ., \setupheader
\setupfooter :

- `state:` : start, stop, empty, high, none, normal nomarking.
- `style, leftstyle, rightstyle:` . style , leftstyle , rightstyle .
- `color, leftcolor, rightcolor:` . (color) (leftcolor) (rightcolor)
- `width, leftwidth, rightwidth:` (width) / (leftwidth) (rightwidth).
- `before:` .
- `after:` .
- `strut:` „yes”, . „no”, .

5.6.3

section

ConTeXt ; , . (,) . , :

1.

2. .

```

\definetext, :

\definetext
  [] []
  [1] [2] [3]
  [4] [5]

; header footer, , \setupheadertexts
\setupfootertexts. , \setuphead header footer ( 7).

, , :

\definetext[ChapterFirstPage] [footer] [pagenumber]
\setuphead
  [chapter]
  [header=high, footer=ChapterFirstPage]

```

5.7

, ., ConTeXt ., :

- `\setuptoptexts:` ().
- `\setupbottomtexts:` ().
- `\margintext, \atleftmargin, \atrightmargin, \ininner, \ininneredge, \ininnermargin, \inleft, \inleftedge, \inleftmargin, \inmargin, \inothet, \inouter, \inouteredge, \inoutermargin, \inright, \inrightedge, \inrightmargin:` .

```

\setupheadertexts \setupfootertexts \setuptop \setupbottom,
\setupheader \setupheadertexts. , 5.6. \setuptoptexts
\setupbottomtexts (top) (bottom). , 5.3.1.

, :

\[] []{}

; , .

\margintext . , ( , ). , \inrightedge , .

\margintext :

```

- `location:` . `left, right` , , `outer inner`. `left` , `outer` .
- `width:` . .
- `margin:` (margin) (edge).
- `align:` . `\setupalign` 11.6.1.
- `line:` . `line=1` , `line=-1` .
- `style:` .
- `color:` .
- `command:` . . , , , „`[command=\framed]{Text}`”.

, `location margin.` , `\atrightmargin \atleftmargin` . `distance`,
`\marginintext` .



, (strut, anchor, method, category, scope, option, hoffset, voffset,
`dy`, `bottomspace`, `threshold stack`) , , . `distance` , ? `stack`,
`\marginpars` L^AT_EX, .

`\setupmargindata` . ,

`\setupmargindata[right][style=slanted]`

.

`\definemargindata[] []`

ConT_EXt

: 6.1 „ConT_EXt Standalone”; 6.2 ; 6.2.1 , ; 6.2.2 ; 6.3 ; 6.3.1
 ; 6.4 ; 6.4.1 \setupbodyfont \switchtobodyfont; 6.4.2 , ; 6.4.3 , ;
 6.5 ; 6.5.1 , ; 6.5.2 ; 6.6 ; 6.6.1 ; 6.6.2 ; 6.6.3 ; 6.6.4
 ; 6.6.5 ; 6.6.6 ;

6.1

„ConT_EXt Standalone”

ConT_EXt , . , 21 ConT_EXt Standalone , 6.1.

() ConT _E Xt		
Latin Modern	modern, modern-base	Emily Brontë's book
Antykwa Poltawskiego	antypkwapoltawskiego	Emily Brontë's book
Antykwa Toruńska	antykwa	Emily Brontë's book
Cambria	cambria	Emily Brontë's book
DejaVu	dejavu	Књига Емили Бронте Emily Brontë's book
DejaVu Condensed	dejavu-condensed	Књига Емили Бронте Emily Brontë's book
Gentium	gentium	Књига Емили Бронте Emily Brontë's book
Iwona	iwona	Emily Brontë's book
Latin Modern Variable	modernvariable, modern-variable	Emily Brontë's book
PostScript	postscript	Emily Brontë's book
TeX Gyre Adventor	adventor, avantgarde	Emily Brontë's book
TeX Gyre Bonum	bonum, bookman	Emily Brontë's book
TeX Gyre Cursor	cursor, courier	Emily Brontë's book
TeX Gyre Heros	heros, helvetica	Emily Brontë's book
TeX Gyre Schola	schola, schoolbook	Emily Brontë's book
TeX Gyre Chorus	chorus, chancery	Emily Brontë's book
TeX Gyre Pagella	pagella, palatino	Emily Brontë's book
TeX Gyre Termes	termes, times	Emily Brontë's book
Euler	eulernova	Emily Brontë's book
Stix2	stixtwo	Књига Емили Бронте Emily Brontë's book
Xits	xits	Књига Емили Бронте Emily Brontë's book

6.1 ConT_EXt . , . . , ConT_EXt , , . Euler , Bront's Brontë's.

Windows , heros Arial Windows, termes Times New Roman. , , .

Windows (, Windows), ConT_EXt . , ConT_EXt Windows , ConT_EXt. , . ConT_EXt .

6.2

6.2.1 ,

, . . ; ConT_EXt. , () . ConT_EXt () . . .

E. T_EX Computer Modern *roman, sans serif teletype. Roman* (, *serif. Sans serif*, , , , , . . , *paloseco*; , *roman* , , . , *teletype Computer Roman* , , .

. T_EX , , , .

ConT_EXt : . , , ConT_EXt , , , . ConT_EXt , , : .

, ConT_EXt , ():

- („tf”, *typeface*).
- („bf”, *boldface*).
- („it” *italic*)
- („bi” *bold italic*)
- („sl” *slanted*)
- („bs” *bold slanted*)
- („sc” *small caps*)
- („os” *old style*)

, , : , . ConT_EXt , ; , ; , , . , , („bi”).

, ConT_EXt , , , .

, , .

. . . – – ; . , , . , , :

italics – *italics* – *italics*

, , , 'a', .

. , . , .

, , :

1. .

2. , .

, ConT_EXt . 6.5.1.

6.2.2

ConT_EXt , , , . 12 .

ConT_EXt , Opentype Type 1 , , T_EX , *Computer Modern*, , ,
Latin Modern ConT_EXt, *Computer Modern* T_EX , MetaFont,
 T_EX.

6.3

, ConT_EXt *Latin Modern Roman* 12 . T_EX. „” – () –
 , ; – – , , .

, `\setupbodyfont` , . , , .

`\setupbodyfont` :

`\setupbodyfont[]`

:

- , 6.1.
- , () . ConT_EXt , `\setupbodyfont` 4 12, 14.4
 17.3. 12 .

`\setupbodyfont`, ; , , . `\setupbodyfont` , .

(10pt, 11pt, 12pt, .) . , : big, small, script, x, scriptscript
 xx. , `\setupbodyfont` 12 , „big”.

- , , , roman (), (sans serif), , (handwritten) (calligraphic) .
`\setupbodyfont` . 6.2:

Roman	rm, roman, serif, regular
Sans Serif	ss, sans, support, sansserif
Monospaced	tt, modo, type, teletype
Handwritten	hw, handwritten
Calligraphic	cg, calligraphic

6.2 `\setupbodyfont`

• ,

6.3.1

• , ; , ConT_EXt ConT_EXt.

`\showbodyfont`, .

`\showbodyfont` :

`\showbodyfont []`

`\setupbodyfont.` , `\showbodyfont[schola, 8pt]` , schola 8 :

[schola] [schola,8pt]													
	<code>\tf</code>	<code>\tf</code>	<code>\bf</code>	<code>\sl</code>	<code>\it</code>	<code>\bs</code>	<code>\bi</code>	<code>\tfx</code>	<code>\tfxx</code>	<code>\tfa</code>	<code>\tfb</code>	<code>\tfc</code>	<code>\tfd</code>
<code>\rm</code>	Ag	Ag	Ag	Ag	<i>Ag</i>	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
<code>\ss</code>	Ag	Ag	Ag	Ag	<i>Ag</i>	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
<code>\tt</code>	Ag	Ag	Ag	Ag	<i>Ag</i>	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
<code>\mr</code>	Ag	Ag	Ag	<i>Ag</i>	<i>Ag</i>	Ag	Ag	Ag	Ag	Ag	Ag	Ag	<i>Ag</i>

• , , `\showbodyfont.`

• , `\showfont []`.

6.4

6.4.1 `\setupbodyfont` `\switchtobodyfont`

• , , ConT_EXt : `\setupbodyfont.` • , ,

`\switchtobodyfont` `\setupbodyfont.` (,), , . `\setupbodyfont`
() ; , (). , `\switchtobodyfont` , .

— . :

1. `\setupbodyfont` , `\switchtobodyfont` , , .
2. `\switchtobodyfont` , `\setupbodyfont` , , , .
- , , , , , .
- `\setupbodyfont` ; , (*Latin Modern Roman*) . `\switchtobodyfont` , , , , , .

6.4.2 ,

`\switchtobodyfont`, ConT_EXt , . , ConT_EXt , , , `\dontleavehmode` .

Roman	<code>\rm, \roman, \serif, \regular</code>
Sans Serif	<code>\ss, \sans, \support, \sansserif</code>
Monospaced	<code>\tt, \mono, \teletype,</code>
Handwritten	<code>\hw, \handwritten,</code>
Calligraphic	<code>\cf, \calligraphic</code>

6.3

6.3 ; 6.4 .

Normal	<code>\tf, \normal</code>
Italic	<code>\it, \italic</code>
Bold	<code>\bf, \bold</code>
Bold-italic	<code>\bi, \bolditalic, \italicbold</code>
Slanted	<code>\sl, \slanted</code>
Bold-slanted	<code>\bs, \boldslanted, \slantedbold</code>
Small caps	<code>\sc, \smallcaps</code>
Medieval	<code>\os, \mediaeval</code>

6.4

, , , , , *thought* , , .

I thought a `{\it thought}` but
the `{\it thought}` I thought wasn't
the `{\it thought}` I thought I thought.
If the `{\it thought}` I thought I thought
had been the `{\it thought}` I thought
I wouldn't have thought so much!

I thought a *thought*, but the *thought* I thought,
wasn't the *thought* I thought I thought. If the
thought I thought I thought had been the *tho-*
ught I thought I wouldn't have thought so much!

(`\tf`, `\it`, `\bf`, .) . a, b, c d , 1.2, 1.2² (= 1.44), 1.2³ (= 1.728)
1.2⁴ (= 2.42). :

`\tf` , `\tfa` , `\tfb` , `\tfc` , `\tfd`

, , , ,

x xx 0,8 and 0,6: respectively:

`\tf` , `\tfx` , `\tfxx`

, ,

'x' 'xx' `\tf` , `\tfx` `\tx`, `\tfxx` `\txx`.

. ConT_EXt 2013. (Mark II) 'x', ; .

, `\showbodyfont` (6.3.1). , , .

`\showbodyfont`:

[modern-designsize]													
	<code>\tf</code>	<code>\tf</code>	<code>\bf</code>	<code>\sl</code>	<code>\it</code>	<code>\bs</code>	<code>\bi</code>	<code>\tfx</code>	<code>\tfxx</code>	<code>\tfa</code>	<code>\tfb</code>	<code>\tfc</code>	<code>\tfd</code>
<code>\rm</code>	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
<code>\ss</code>	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
<code>\tt</code>	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
<code>\mr</code>	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag

, (`\rm`, `\ss` `\tt`). , , (`\tf`, `\sc`, `\sl`, `\it`, `\bf`, `\bs` `\bi`), , .

, , , .

`\definebodyfontenvironment` :

`\definebodyfontenvironment[] []`

`\definebodyfontenvironment[default] []`

`\setupbodyfont` `\switchtobodyfont`. :

```
\definebodyfontenvironment[10pt][a=12pt,b=14pt,c=2,d=3]
```

10 , 'a' 12 , 'b' 14, 'c' 2, 'd' 3. a b , c d .

```
\definebodyfontenvironment „default”, , . , :
```

```
\definebodyfontenvironment[default][a=1.3,b=1.6,c=2.5,d=4]
```

, a 1,3, b 1,6, c 2 d 4.

```
xx, x, a, b, c d, \definebodyfontenvironment „big”, „small”, „script”
„scriptscript”. \setupbodyfont \switchtobodyfont. , ( ) :
```

- \smallbold
- \smallslanted
- \smallboldslanted
- \smallslantedbold
- \smallbolditalic
- \smallitalicbold
- \smallbodyfont
- \bigbodyfont

```
, \showbodyfontenvironment[. , , modern , :
```

[modern]						
text	script	scriptscript	x	xx	small	big
10pt	7pt	5pt	8pt	6pt	8pt	12pt
11pt	8pt	6pt	9pt	7pt	9pt	12pt
12pt	9pt	7pt	10pt	8pt	10pt	14.4pt
14.4pt	11pt	9pt	12pt	10pt	12pt	17.3pt
17.3pt	12pt	10pt	14.4pt	12pt	14.4pt	20.7pt
20.7pt	14.4pt	12pt	17.3pt	14.4pt	17.3pt	20.7pt
4pt	4pt	4pt	4pt	4pt	4pt	6pt
5pt	5pt	5pt	5pt	5pt	5pt	7pt
6pt	5pt	5pt	5pt	5pt	5pt	8pt
7pt	6pt	5pt	6pt	5pt	5pt	9pt
8pt	6pt	5pt	6pt	5pt	6pt	10pt
9pt	7pt	5pt	7pt	5pt	7pt	11pt

6.4.3

,
 , . , ConT_EXt :

1. , .
2. `\switchtobodyfont.`
 :
 - `\definebodyfontswitch:` . , `\osam (\viii1)` 8 pt, :
`\definebodyfontswitch[osam][8pt] \definebodyfontswitch[viii][8pt]`
 - `\definefontstyle:` `\setupbodyfont \switchtobodyfont` ; ,
`sans serif` (. „linear”)
`\definefontstyle[linear][ss]`
`\definefontstyle` , :
`\definefontstyle[linear, tehn, bezstopica][ss]`
 - `\definealternativestyle:` . `style` . ,
`\definealternativestyle[strong][\bf] []`
`\strong` „strong” `style` . „bold”, ConT_EXt , HTML,
 „strong”
 `\definealternativestyle.` , ; ConT_EXt „, `\cap,`
 ” (??)

6.5

, :

6.5.1 ,

. , .

¹ , ConT_EXt .

, . ConT_EXt , . \em emphasis. \it \sl, , \em ; ,
 , ConT_EXt \em \it \sl. , ConT_EXt ; \em , ConT_EXt
 . , , — — \em, — .

:

<pre>{\em {\em Thelymitra variegata} .}</pre>	|	Thelymitra variegata .
---	--	---------------------------

\em (,), \em „Thelymitra variegata” .

\em , , , \em \bs. , \bf, .

\em , \setupbodyfontenvironment[default][em=italic].

6.5.2

(). , (). . , , .

, , . , , , , .

. ConT_EXt \cap \Cap; 10.2.1.

6.6

ConT_EXt , , .

6.6.1

ConT_EXt „color” . , , :

```
\setuphead
[chapter]
[color=blue]
```

, , , , , () .

, , , , , , ,

```
\color[red]{ }
```

.

```
\definehighlight[vazno][color=red]
\vazno{ }
```

6.6.2

```

,      (), \setupbackgrounds \setupcolors. ,
\setupbackgrounds
  [page]
  [background=color,backgroundcolor=blue]

.    „backgroundcolor”      .

      (    ) \setupcolors, „textcolor” . :
\setupcolors[textcolor=red]

.

```

6.6.3

```
\color[] {  }
```

```
\startcolor[] ... \stopcolor
```

```

.      ,    \colored. :

\colored[r=0.1, g=0.8, b=0.8]      | .
{} .

```

6.6.4

ConT_EXt 6.5.¹

black			
white			
gray	lightgray	middlegray	darkgray
red	lightred	midldered	darkred
green	lightgreen	middlegreen	darkgreen
blue	lightblue	middleblue	darkblue
cyan		middlecyan	darkcyan
magenta		middlemagenta	darmagenta
yellow		middleyellow	darkyellow

6.5 ConT_EXt

¹ ConT_EXt , , , „ – 6.5 – .

```

,

\usecolors[]

• „crayola”, 235 .
• „dem”, 91 .
• „ema”, 540 Emacs.
• „rainbow”, 91 .
• „ral”, 213 Deutsches Institut für Gütesicherung und Kennzeichnung ( ).
• „rgb”, 223 .
• „solarized”, 16 solarized .
• „svg”, 147 .
• „x11”, 450 X11.
• „xwi”, 124 .

„context/base/mkiv” „colo-imp-.mkiv”. . , .















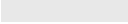
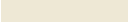
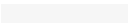







, \showcolor[] . , (\usecolors[]), \color \startcolor
. , :




\usecolors[xwi]
\color[darkgoldenrod]{ }

```


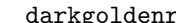
6.6.5

\showcolor , , , ConT_EXt. , \showcolor . ,
 6.6.4, \showcolor[solarized] , 16 solarized :

		0.561	0.514	0.580	0.588	base0
		0.460	0.396	0.482	0.514	base00
		0.409	0.345	0.431	0.459	base01
		0.162	0.027	0.212	0.259	base02
		0.123	0.000	0.169	0.212	base03
		0.615	0.576	0.631	0.631	base1
		0.909	0.933	0.910	0.835	base2
		0.965	0.992	0.965	0.890	base3
		0.457	0.149	0.545	0.824	blue
		0.487	0.165	0.631	0.596	cyan
		0.510	0.522	0.600	0.000	green
		0.429	0.827	0.212	0.510	magenta

		0.422	0.796	0.294	0.086	orange
		0.395	0.863	0.196	0.184	red
		0.473	0.424	0.443	0.769	violet
		0.530	0.710	0.537	0.000	yellow

```
rgb , \showcolorcomponents[. , . , \showcolorcompo-
nents[darkgoldenrod] :
```

color	name	transparency	specification
 	darkgoldenrod		r=0.720,g=0.530,b=0.040

6.6.6

```
\definecolor , . , :
```

```
\definecolor[ ][ ]
```

```
„ ” „ ”.
```

```
\definecolor . , :
```

```
\definecolor[ ][ ]
```

```
:
```

- **RGB** : RGB ; , , : ('r' red), ('g' green) ('b' blue). 0 1.

```
\definecolor[limeta 1][r=0.75, g=1, b=0]: „limeta 1”.
```

- **Hex** : RGB , , , .

```
\definecolor[limeta 2][x=BFFF00]: „limeta 2”.
```

- **CMYK** : „ ” : ('c'), ('m'), ('y', yellow) ('k', key). 0 1.

```
\definecolor[limeta 3][c=0.25, m=0, y=1, k=0]: „limeta 3”.
```

- **HSL/HSV**: ('h', hue), ('s' saturation) ('l' 'v', value). 0 360; 0 1.

```
\definecolor[limeta 4][h=75, s=1, v=1]: „limeta 4”
```

- **HWB** : HWB CSS4 ('h', hue), ('w', whiteness) ('b', blackness). 0 360, 0 1.

```
\definecolor[Azure][h=75, w=0.2, b=0.7] „Azure”.
```

- : ('s', scale) . 0 1. :

```
\definecolor[svetlo siva][s=0.65] „svetlo siva”.  
.  
.  
\definecolor[maincolour][0.6(orange)]
```


: 7.1 ; 7.2 ; 7.3 ; 7.4 ; 7.4.1 \setuphead \setupheads; 7.4.2
 ; 7.4.3 (); 7.4.4 ; 7.4.5 ; 7.4.6 ; 7.4.7 ; 7.4.8 \setuphead;
 7.5 ; 7.6 ;

7.1

(,), . : , , ” — — ” . ” ” . () ”
 ” , ” ” ; (,). ” (,) ” ” ” ” ” ” . , , .

ConTeXt . ”.

ConTeXt . ” , , ConTeXt „section” (). ,
 ConTeXt .

” () :

- . , ” . , . *per se* , , , .

, . , . ConTeXt , , , .

- ” ” ” :
 — () .
 — , .

ConTeXt , , . , ConTeXt , .

7.2

ConTeXt . , , , / .

ConTeXt 7.1.

1	<code>\part</code>	—
2	<code>\chapter</code>	<code>\title</code>
3	<code>\section</code>	<code>\subject</code>
4	<code>\subsection</code>	<code>\subsubject</code>
5	<code>\subsubsection</code>	<code>\subsubsubject</code>
6	<code>\subsubsubsection</code>	<code>\subsubsubsubject</code>
...

7.1 ConT_EXt

:

- 7.1 . (`\startchapter ... \stopchapter`,) .
- 6 ., 12: `\subsubsubsection \subsubsubsubsection`, , `\subsubsubsubsubsubsection, \subsubsubsubsubsubsubject`.

() ! , . , , . ; , .
 , „sub“ , : „subsubsubsubsubsection“ „sub“-! , ,
 (subsection) (7.5) .

- (`\part`) . , (), .
 ConT_EXt , `\part` ; , , .
- „“ , . , , , , .

7.3

, (7.5), (, „section”):

```
\section [] {}
\section []
\startsection [] [] ... \stopsection
```

, . , Mark IV .

- , „“ , , . (9.2).
- ConT_EXt : .
 3.3.1 3.4 ConT_EXt , . , , , . ConT_EXt
 T_EX,
 (=) :

```

- reference: .
- title: .
- list: .
- marking: .
- bookmark: bookmark PDF .
- ownnumber: ; .

, „list”, „marking” „bookmark” „title”. , , ;
\nomarking \nolist ( ). , ( „title”) , , , ConTEXt .
: „list”, „marking” „bookmark”. , , .

, „ ” „test”, „ ” „ ”.

\chapter
[
  title={ },
  reference={test},
  marking={ }
]

\start . , , , ConTEXt . Mark IV ; . ,
XML EPUB . , XML .

\start . \structureuservariable.
ConTEXt , , , , ConTEXt .

```

7.4

7.4.1 \setuphead \setupheads

ConT_EXt () , . \setuphead :

\setuphead[] []

- () . :
 - (part, chapter, title, .), , . „section-”, . „section-1”
„part”, „section-2” „chapter”, .
 - . , 7.5.

- `(=)`. `()` . , . .
`\setuphead` . : , :
- , ; : . , , „chapter” (2) „title”; „title”, „chapter”.
- , , . . , : , , , . .
`\setuphead, ConTeXt \setupheads` . , ConTeXt .
, . , „style”, , . , , „number” „color”. ,
`\setupheads[color=blue]` .
`\setupheads () \setuphead.`
: , ConTeXt , : `\start` .
`\setupheads, \setuphead.` , , . , „insidesection”
.

7.4.2

, . ConTeXt , . :



- , . , „part” . „placehead” „yes”, „no” „hidden”, „empty” „section”. .
, , :
`\setuphead`
`[part]`
`[placehead=yes]`
, . list marking . `\nolist \nomarking` . :
`\chapter{ \nomarking{19. 21. }}`
„ ...”.
- . (part, chapter, section, subsection...), (title, subject, subsubject). , „number” „incrementnumber” „yes” „no”. yes no.
? , ; (incrementnumber), (number). incrementnumber=yes
number=no, () , . , . , 8.1.7.
- . , . , „”, „” parts. `\setuphead`
`\setuplabeltext.` . , „”, :

```
\setuplabeltext
[chapter=~]
```

„~“ . , . () ; , „1“ „1“.

7.4.3 ()

(part, chapter, section...) , „number“ „incrementnumber“ \setuphead.

, „ownnumber“ „yes“. „ownnumber=yes“ . :

- , . : \chapter{13}{ } 13.
- ConTeXt (\ [] \start []), „ownnumber“. : \chapter[title= , ownnumber=13], 13.

ConTeXt , ; , , ,. ConTeXt , :

- '1' .
- '0' .

, 1 , , . 0; .

, \setupheadnumber :

```
\setupheadnumber[] [ ]
```

. , 1; 10, 11.

```
 ; , , , \setupheadnumber[section][+5] 5 ;
\setupheadnumber[chapter][14, +5] 15 (14+1), 20 (15+5), 25, .
```

, . : , , , . „1.3.2.4“.

:

- **conversion:** . , :
 - : 1, 2, 3, ... n, N numbers.
 - . :
 - ★ : I, R, Romannumerals.
 - ★ : i, r, Romannumerals.
 - ★ : KR, RK.
 - . :

```

★ : A, Character
★ : a, character
★ : AK, KA

- . . , '3' 'Three'. :

★ : Words.
★ : words.

- : . ConTEXt , . ConTEXt : set 0, set 1,
set 2 set 3. . set 0 set 1 9, set 2 set 3 12:

Set 0: • - ★ ▷ ◦ ○ □ ✓
Set 1: ★ ★★ ★★ ★ ‡ ‡‡ ‡‡‡ * ** ***
Set 2: * † ‡ ** †† ‡‡ *** ††† ‡‡‡ **** †††† ‡‡‡‡
Set 3: ★ ★★ ★★ ★ ‡ ‡‡ ‡‡‡ ¶ ¶¶ ¶¶¶ § §§ §§§

• sectionsegments: . . . (part=1, chapter=2,
section=3, .), (part, chapter, section, .). , „sectionsegments=2:3” .
„sectionsegments=chapter:section”. , „optionsegments”
Initial Level:all, InitialLevel:*. , „sectionsegments=3:*” 3 (section).

, , ; , ; , . :

\setuphead[part][conversion=I]
\setuphead[chapter][conversion=n, sectionsegments=2]
\setuphead[section][conversion=n, sectionsegments=2:3]
\setuphead[subsubsection][conversion=n, sectionsgments=2:4]
\setuphead[subsubsection][conversion=A, sectionsegments=5]

```

7.4.4

```

:

• „style”, „numberstyle” „textstyle” , . ; , (roman,
sans serif typewriter), (italic, bold, slanted...) . , ( „bold” ),
(„bf”), (\bf, ). , , . , , .

• „color”, „numbercolor” „textcolor” , . ConTEXt ,
. , .

, . : „command”, „numbercommand”, „textcommand”, „deepnumber-
command” „deeptextcommand”. :

```

- `command` , . `ConTEXt` , .
 - `numbercommand` „command”, .
 - `textcommand` „command”, .
- , , , , „command”. :

```
\define[2]\AlignSection
  {\framed[frame=on, width=broad,align=flushright]{#1\#2}}
```

```
\setuphead
  [section]
  [command=\AlignSection]
```

```
„command” „style”, . , , „textstyle=\em”, „textcommand=\WORD”,
\WORD ( ) , .: \WORD{\em }. , . „textcommand”
„numbercommand” „deeptextcommand” „deepnumbercommand”. „{\em\WORD{
}}”.
```

• .

7.4.5

„alternative” : () . , , .

„alternative”:

- `text`: . `LATEX` `\paragraph` `\subparagraph`.
- `paragraph`: .
- `normal`: `ConTEXt` . „paragraph”.
- `middle`: , . , , .

„alternative=middle”, „align” . „left”, „middle” „flushright”.
, .

- `margin``text`: () .

„alternative”:

- `margin/inmargin`: . . „margin” „inmargin”.
- `reverse`: , , , .
- `top/bottom`: , .

7.4.6

```
(„before”) ( „after”). : „before=\blank” .
, „before={\blank[3*big]}”. „before=\hairline,
after=\hairline”, .
```



```
„before” „after” „commandbefore” „commandafter”. , ,
.
```

```
, „page” , „yes” , „left” , „right” , „no” . ,
„chapter” „continue=no”, , .
```

```
ConTExT, . : . „continue”, , , :
„continue=yes”, . „continue=no” .
```

```
(\start ... \stop), „insidesection” . , ,
(„insidesection=\placecontent”)
```

7.4.7

```
, \setuphead :
```

- . „interlinespace” \defineinterlinespace \setupinterline-
space.
- . „align” : „flushleft” (), „flushright” (), „middle” (),
„inner” () „outer” ().
- . „margin” .
- . „indentnext” („yes”, „no” „auto”) . () .
- . , , „width” „numberwidth” „textwidth” .
- . „distance” „textdistance” .
- . „header” „footer”.

7.4.8 \setuphead



```
, , \setuphead . , .
```

7.5

```
\definehead :
```



```
\definehead[] [] []
```

- .
- .
- . : , , , .
- . \setuphead.
- . \setuphead, , ConT_EXt , .

7.6

, , , , ; . , , , - , , . :

- , , , , , .
- , , , , , .
- , , , , .
- , , , .

7.2.

\startfrontmatter [] ... \stopfrontmatter
\startbodymatter [] ... \stopbodymatter
\startappendices [] ... \stopappendices
\startbackmatter [] ... \stopbackmatter

7.2

```
: „page”, „before”, „after” „number”, \setuphead ( 7.4),
„number=no” .
```

```
. . \setupsectionblock :
```

```
\setupsectionblock[ ] []
```

```
frontpart, bodypart, appendix backpart, : „page”, „number”, „before”
„after”. , frontmatter ( ) , :
```

```
\setupsectionblock
[frontpart]
[
```

```
before={\setuppagenumbering[conversion=Romannumerals]}
]
```

ConT_EXt :

- .
 - :
 - frontmatter backmatter .
 - bodymatter .
 - appendices .
- `\definesectionblock.`

, ,

: **8.1** ; 8.1.1 ; 8.1.2 ; 8.1.3 ; 8.1.4 : criterium; 8.1.5 : alternative;
 8.1.6 ; 8.1.7 ; ; ; ; **8.2** , ; 8.2.1 ConTeXt;
 8.2.2 , ; 8.2.3 ; **8.3** ; 8.3.1 ; ; 8.3.2 ; 8.3.3 ;

. , . () ”. , (, ,), .

9.2.

8.1

8.1.1

. , . () . , , , () ,
 ; , . : , , , .

ConTeXt . :

- .
- .
- , .
- .

, . , 9.3.

ConTeXt , , . ConTeXt ; . , , : –
 – . (): ConTeXt . , , , – –
 . , ; , .

8.1.2

(, , , .) \completecontent \placecontent. ; , .
 , \completecontent:

- , , „”.

`ConTeXt` `\title (7.2).` `\completecontent (\chapter) (\title).`

- `(, \title)` ; .
- .

, `(\completecontent).` , , 8.1.3, , (`\placecontent`), `\completecontent` , ; . , „criterium=all”. , 8.1.3.

, `\setupheadtext` :

`\setupheadtext [] [=]`

`ConTeXt (10.5)`, `(„content”)` .

`\setupheadtext [en] [content=Contents]`

`\completecontent` „Contents” „Table of Contents”.

, `\completecontent` `\placecontent`, ().

8.1.3

, `\placecontent` :

`\placecontent []`

, , `\setupcombinedlist` (). , :

`\setupcombinedlist [content] [list={chapter,section}]`

.

. , . :

- `\placecontent` , (part, chapter section,) .

, ; . , ,

`\setupcombinedlist [content] [list={chapter, section, subsection, ...}]`

- , , , , () , .

, `\placecontent`, `ConTeXt Mark IV` `\start`, `\stop` . , `\placecontent` :

- `()` . , .

- . , , ; , .

, , `\placecontent` , , .

. : :

- 1

- 1.1

- 1.2

- ★ 1.2.1

- ★ 1.2.2

- ★ 1.2.3

- 1.3

- 1.4

- 2

: `\placecontent` 1, , `\completecontent`, . 1, 1.1, ; 1.2,
 . , , 1.1 1.2, . , .

, , ., criterium .

`\placecontent` , , `()` ConTeXt . criterium ;
 alternative, .

8.1.4 :

criterium

`\placecontent` . criterium . , :

- all: , .

- previous: `()` `\placecontent`. .

- part, chapter, section, subsection...: .

- component: `(4.6)`, `\placecontent \completecontent`.

8.1.5 : alternative

alternative . 8.1.

alternative `(,)`, . , , , ConTeXt .

, , .

alternative		
a	—	—
b	—	— —
c	—	— —
d	—	—
e		
f		,
g		

8.1

8.1.6

```

alternative \placecontent \completecontent , . , .
\setuplist :
\setuplist[] []
. part, chapter, section, . , . 54 , , , ; , .
, , , , alternative, : , . , :
• ( ) : ( 'a' 'b' 'c' 'd'), headnumber=no pagenumber=no ,
(headnumber) (pagenumber) .
• : ( ) : , . style color , numberstyle, textstyle
pagestyle ( ) numbercolor, textcolor pagecolor ( ) .
, . command, numbercommand, pagecommand textcommand.
ConTeXt , . , command, textcommand , pagecommand . ,
( ) :
\setuplist[section][textcommand=\Cap]
• : before after (before) (after) .
• : margin .
• : . interaction (interaction=no), ,
(interaction=number interaction=sectionnumber), (interaction=text
interaction=title) (interaction=page interaction=pagenumber).
• :
- width: . , fit .
- symbol: . : one, two three. none .
- numberalign: ; left, right, middle, flushright, flushleft.

```

```

, . . . , ( \placecontent \completecontent )
. :

\start
  \setupinterlinespace[small]
  \placecontent
\stop

```

8.1.7

```

( \placecontent \completecontent ), . , . . :

• .
• .
• .
• .
• .

ConTEXt , , ( 7.4.2 ) ( incrementnumber ) \setuphead .
  incrementnumber=yes number=no , .

, - , title - , incrementnumber , yes, , , ,
\setupcombinedlist:

  \setuphead
    [title]
    [incrementnumber=yes]

  \setupcombinedlist
    [content]
    [list={chapter, title, section, subsection, subsubsection}]

, , \setuplist ; :

\setuplist[title][style=bold]

: ( , title ). , .

.

( ), .

, \writetolist :

\writetolist[] [] {}{}

```

- : chapter, section, subsection, etc.

- , , . , ; .



ConT_EXt (3.6) \setuplist, , , .

- , .

- .

, , , . ; , \writetolist. , , , :

```
\subject{Bibliography}
\writetolist[section]{}{Bibliography}
```

section, subject, , (section).

\writebetweenlist , , , :

```
\writebetweenlist[section]{\hrule}
```

-

, , list \setupcombinedlist, , .

, , , , title chapter, subject section, . , .

, , , , . :

```
\definehead[MySubsection][subsection]
\section{ }
\subsection{ }
\MySubsection{ }
\subsection{ }
```

MySubsection, , , MySubsection.

-

, :

- ({}) \ [], \start [], list (7.3).

- , \nolist: . :

```
\chapter
[title={\nolist{ }
}]
```

, ” ”, ”... ”.

: `\nolist` ConTeXt ., `\nolist` .

8.2 ,

ConTeXt, , , , . ConTeXt ,. . ConTeXt „content”
: `\placecontent` `\completecontent`.

8.2.1 ConTeXt

ConTeXt :

1. .

2. .

3. .

; , , , `\place` , `\placetable`, `\placefigure`, .
, ConTeXt , , . , , , chapter, , section; (table) (figure). ConTeXt .

, , : , . `incrementnumber=yes`, , .

(ConTeXt) `\definelist` .

`\definelist[] []`

:

- ConTeXt, (13.5), , , `\place` , : `\placefigure` , .

- `\writetolist[]`, 8.1.7. `\writebetweenlist`. .

, `\setuplist`, `\placelist` `\completelist`. ;
. `\placelist` `\completelist` `\placecontent` `\completecontent` (8.1.2 8.1.3).

,

`\placelist[section]`

, ,. `\setuplist` `set interaction=no`. : (, , .). .

:

`\placelist[] []``\setuplist[] []``\setuplist 8.1.6, \placelist \placecontent (8.1.3).`

8.2.2 ,

, ConT_EXt `\placefigure`, `\placelist[figure]`. (`\completecontent`) `\completelist[figure]`. ConT_EXt: („table”), („graphic”), („intermezzo”) („chemical”), , ConT_EXt : (`\placelistof-figures`, `\placelistoftables`, `\placelistofgraphics`, `\placelistofintermezzi` `\placelistofchemicals`), : (`\completelistoffigures`, `\completelistoftables`, `\completelistofgraphics`, `\completelistofintermezzi` `\completelistofchemicals`), `\completecontent`.

, (13.5) `\placelistof<> \completelistof<>`.

`\definelist`, `\placelist[] \completelist[]`.

8.2.3

, , . ConT_EXt „content”, `\definecombinedlist` :

`\definecombinedlist[] [] []`

- : .
- : , .
- : . , , , . () criterium (8.1.4 8.1.3) alternative (8.1.5).

`\definecombinedlist \place` , : . , ,

`definecombinedlist[TOC]``\placeTOC;``definecombinedlist[content]``\placecontent`

, `\placecontent!` ? : ConT_EXt :

`\definecombinedlist`

```
[content]
[part, chapter, section, subsection,
  subsubsection, subsubsubsection,
  subsubsubsubsection]

, ( ) \setupcombinedlist criterium ( 8.1.4 8.1.3) alternative (
8.1.5 ), list .

ConTeXt ( 3.6) \setupcombinedlist list, (,, ).
```

8.3

8.3.1

. .

, , . . , , , .

:

1. , .
2. , , , , ConTeXt , .
3. , . ConTeXt : `\placeindex`.

.

. , . : , .

, , , `\index` :

```
\index[Alphabetical]{ }
```

where , , , , ConTeXt .

```
., , \TeX. \index{\backslash TeX} , , 't' 'TeX', .
\index[tex]{\backslash TeX}.
```

. , ; , ” ” ” ” ” ” .

, , .

(), '+'. :

```
\index{ 1+ 2}
\index{ 1+ 2+ 3}
```

2 1. 3 2, 1.

```
My \index{}, \index{+} .
\index{+} .
```

:

- `\index` . :

— , ConT_EXt , , .

— , . .

- .

- `\index` , „”, „”.

- :

, . , . ,

.

`\index`, `\seeindex` :

```
\seeindex[] {1} {2}
```

1 ; 2 . , :

```
\seeindex{ }{}
```

```
\seeindex '+' .
```

-

, `\placeindex` `\completindex`. `\index` , ,
`\index`. , , .

```
\placeindex \completeindex \content \completecontent ( 8.1.2):
\placeindex , \completeindex „”, .
```

8.3.2

ConT_EXt „”; :

```
\setupregister[index] []
```

:

- .:
- . alternative=A .
- . textstyle, textcolor, textcommand deeptextcommand ,
pagestyle, pagecolor pagecommand, . pagenumber=no ().
- distance ; .
- style, textstyle, pagestyle, color, textcolor, pagecolor .
command, pagecommand, textcommand deeptextcommand, 7.4.4, .
- , (before) (after) , (n), (balance), (align), .

8.3.3

```

; , , , . ; , ,
\defineregister :
\defineregister[] []
, .
\setupregister[] []
\ , \index. \see .
: ConTEXt :
\defineregister[macro]
\macro. ConTEXt , \placemacro \completemacro .
\ , \placeIndexName \completeIndexName . \placeIndexName
\placeregister[], \completeIndexName \completeregister[].
```

: [9.1](#) ; [9.2](#) ; [9.2.1](#) ; [9.2.2](#) ; [\ref;](#) ; [9.2.3](#) ;
[9.3](#) ; [9.3.1](#) ; [9.3.2](#) ; [9.4](#) ; [9.4.1](#) , ; [9.4.2](#) ; [9.5](#) PDF ;

9.1

:

- , , , , .
- , . , , , .
, , . (, , „3.2”, „7”), . „ ” „ ” , ,
. .
„ ” „ ” , „ ” .
, , , , , .

:

- , : , , , .
- , , , , , , .
, ; , (, ,), .
, , . ConTeXt,

9.2

, :

1. . , ConTeXt . ; , , , .
2. . .

, „ \rightarrow ”, , .

9.2.1

, , , , , , . ConT_EXt , .

:

- , . , ConT_EXt , (), , , .
- , , , , . , ConT_EXt (4.2.1), , , „Moja fina labela” „Moja fina labela” , .

, , , , . („Moja fina labela”) , . ,

’sec:Labele cilja’ .

, :

1. . , „reference” .
- , (7.3), . :

```
\section[]{}
ConTEXt,
\startsection
[title=, reference=, ... ]
( , , .) .
. , , ( , ), , , , , .
, ConTEXt . :
\chapter[labela1, labela2, labela3] { }
, , ConTEXt .
```



2. \pagereference, \reference, \textreference :

```
\pagereference[]
\reference[]{}
\textreference[]{}
— \pagereference .
— \reference \textreference .
\reference \textreference, ( ), .
. :
```

- `()` . , .
- `(, , , .)` `(, , .)`
- , , , `\placetable`, .
- `\pagereference` .
- `\reference \textreference` .



`\reference \textreference.` `()`; , , `\reference`
`\textreference` .

9.2.2

, , . , , `\goto` 9.4.2.

- , `ConTeXt` ; , :
 - `\at` .
 - `(, , , .)` , `\in` .
 - , `(, \placefigure, .)` `\about` .
- , `\at \in \about`, :

```
\at{}[]
\in{}[]
\about{}[]
```

- .
- . , , `()`.
`\in` , `\at` .

<code>\in{}[sec:target labels],</code>	|	.
<code>\at{}[sec:target labels],</code>	|	9.2.1, 95, .

`ConTeXt` (9.3), `\in \at` . , :

<code>\in{}[sec:target labels],</code>	|	.
<code>\at{}[sec:target labels],</code>	|	9.2.1, 95, .

, , .

ConTeXt `\at, \in \about,` , , , „??”.

ConTeXt :

1. .
2. , (4.5.1 4.6).
- . (), PDF „??” .

. `\ref`

`\at, \in \about` . . `\ref,` :

`\ref[][]`

:

- text: .
- title: .
- number: . , .
- page: .
- realpage: .
- default: ConTeXt . number.

, `\ref \at, \in \about,` , . , , 1500 () , . ,
`\ref` , `\about,` , .

`\ref` (.), .

.

ConTeXt . „” . : .
 , ConTeXt `\somewhere` :

`\somewhere{ }{ }[]`.

, :

`\type{\somewhere}` .

`\somewhere{}{}[sec:references]`
`\somewhere{}{}[sec:interactivity]`.

.

```

\atpage :

\atpage[]

, , , \atpage , , .

\atpage „precedingpage” , „hereafter” .

, : ConTEXt „”, „”. ConTEXt , \atpage, „”1( ). ( 10.5.3).

, \atpage :

\setuplabeltext[sr][precedingpage= ]
\setuplabeltext[sr][hereafter= ]

„ConTEXt Standalone” ( ). ConTEXt \setuplabeltext, \atpage:
▪ „precedingpage” „followingpage”.
▪ „hencefore” „hereafter”.

\atpage . , , „precedingpage”, „hereafter”, .

```

9.2.3

. . . „sec:” , „fig:” , „tbl:” , .

, ConT_EXt :

- ConT_EXt .
- , , ConT_EXt.

, , . , , ConT_EXt , .

9.3

; . . , ; : . , , ; ,

, .

ConT_EXt (ConT_EXt PDF), .

, ConT_EXt PDF, PDF , PDF , .

9.3.1

ConT_EXt , . :

¹ , . .

`\setupinteraction[state=start]`

- `state`: „state=start“ , „state=stop“ ,
- `ConTeXt` , , `ConTeXt` , ,
- :
- `ConTeXt` .:
- , , ,
- ,
- , ,
- .
- , , , , , , .

9.3.2

`, \setupinteraction ; , . :`

- `color:` .
- `contrastcolor:` .
- `style:` .
- `title, subtitle, author, date, keyword:` PDF `ConTeXt`.
- `click:` .

9.4

URL , . :

9.4.1 ,

URL , `ConTeXt` . , URL, , URL . , URL
 , , URL .
`ConTeXt` URL . URL , . URL . :

`\useURL`

URL , , URL .

:

1. `\useURL[name][URL]`
2. `\useURL[] [URL] [] []`

- , URL . , URL, .
- . URL , , . : ConTeXt: <http://www.pragma-ade.com/general/manuals/what-is-context.pdf>. , :

```
\useURL [WhatIsCTX]
[http://www.pragma-ade.com/general/manuals/what-is-context.pdf]
[]
[ \ConTeXt?]
```

:

```
\useURL [WhatIsCTX]
[http://www.pragma-ade.com/general/manuals/]
[what-is-context.pdf]
[ \ConTeXt?]
```

„WhatIsCTX”, , ; URL , „WhatIsCTX”.

URL `\useURL`, `\url[]` URL . URL , .

`\url` URL `\setupinteraction`, . `\setupurl` (style) (colour).

`\hyphenatedurl`

URL , , ConTeXt URL . :

`\hyphenatedurl{URL}`

`\hyphenatedurl`, URL . URL . . :

```
\sethyphenatedurlnormal{}
\sethyphenatedurlbefore{}
\sethyphenatedurlafter{}
```

, .

`\hyphenatedurl` URL . `\useURL` . :

```
\useURL [WhatIsCTX]
[http://www.pragma-ade.com/general/manuals/what-is-context.pdf]
[]
[\hyphenatedurl{http://www.pragma-ade.com/general/manuals/what-is-context.pdf}]
```

`\hyphenatedurl` :

- `%` `\letterpercent`
- `#` `\letterhash`
- `\` `\letterescape` `\letterbackslash`.

`\hyphenatedurl` , `\hyphenatedurlseparator` . , URL
 . :

`\def\hyphenatedurlseparator{\curvearrowright}`

:

<https://support.microsoft.com/?scid=http://support.microsoft.com:80/~support/kb/articles/Q208/4/27.ASP&NoWebContent=1>.

9.4.2

`\useURL` URL `\from` , . `\useURL` . :

`\from[]`

URL `\useURL`.

, , `\goto` . :

`\goto{ }[]`

, , :

- . `\goto` , , `\in` `\at` . , .
- URL . URL , :

`\goto{ }[url(URL)]`

URL , URL `\useURL`, URL , URL, ConT_EXt ConT_EXt.
 URL ConT_EXt .

9.5 PDF

PDF PDF , .

ConT_EXt PDF , `\placebookmarks`, :

`\placebookmarks[]`

.

- :
- `\placebookmarks` . `(\starttext \stoptext, \startproduct \stopproduct)`, : . , , .
 - `(\definehead)` . .
 - , .
 - , „all” , , ; , , , .
- PDF ; , . , PDF . Acrobat, , , .

III

10

, ,

: **10.1** ; 10.1.1 ; 10.1.2 ; 10.1.3 ; 10.1.4 ; 10.1.5 ; 10.1.6 ;
10.2 ; 10.2.1 , ; 10.2.2 ; 10.2.3 ; **10.3** ; 10.3.1 ; 10.3.2 ;
10.3.3 ; **10.4** ; **10.5** ; 10.5.1 ; 10.5.2 ; 10.5.3 ; 10.5.4 ; ;
`\translate;` `\quote` `\quotation;`

: , , , .

„” ConT_EXt , .

10.1

UTF-8 (4.1) , , , UTF-8 . , () , ;
, , . ConT_EXt .

10.1.1

(), , . () , () (,); , ,
„navegação”.

T_EX ; (). , . , , (, ...) .

ú	<code>\'u</code>	<code>\uacute</code>
ù	<code>\`u</code>	<code>\ugrave</code>
û	<code>\^u</code>	<code>\ucircumflex</code>
() ü	<code>\"u</code>	<code>\udiaeresis, \uumlaut</code>
ũ	<code>\~u</code>	<code>\utilde</code>
ū	<code>\=u</code>	<code>\umacron</code>
ǔ	<code>\u u</code>	<code>\ubreve</code>

10.1

10.1 . . . 'u' , (¹), .

- (3.2), , . : 'ã', `\=a \=a` .² (`\u`), , .
- , , `\emacron` 'e' (ē), `\Emacron` 'E' (Ē), `\Amacron` 'A' (Ā).

10.1 , . 10.2.

O	ø, Ø	<code>\o</code> , <code>\O</code>	
A	å, Å	<code>\aa</code> , <code>\AA</code> , <code>{\r a}</code> , <code>{\r A}</code>	<code>\aring</code> , <code>\Aring</code>
L	ł, Ł	<code>\l</code> , <code>\L</code>	
	ß	<code>\ss</code> , <code>\SS</code>	
'i' and 'j'	ı, Ĳ	<code>\i</code> , <code>\j</code>	
	ŭ, Ŭ	<code>\H u</code> , <code>\H U</code>	
	ç, Ç	<code>\c c</code> , <code>\c C</code>	<code>\ccedilla</code> , <code>\Ccedilla</code>

10.2

, , (ß), , , ().

A „`{\r A}`” `\Aring` .

'o', 'k', 'l', 'n', 'r', 's' 't', . `\kcedilla`, `\lcedilla`, `\ncedilla` ...

10.1.2

'z'. , . ” , , '&', () „et”, (ß), , , 's' . , '&' Pagella 'ß' Bookman.

, (6,) (, 30 pt) .

, , „oe” „ae” 'œ' 'æ' . ConTeXt 10.3

æ, Æ	<code>\ae</code> , <code>\AE</code>	<code>\aeligature</code> , <code>\AEligature</code>
œ, Œ	<code>\oe</code> , <code>\OE</code>	<code>\oeligature</code> , <code>\OEligature</code>

10.3

() 'Ð': 'D' 'E'. , ConTeXt ,³ , 10.1.5.

, , „”, ConTeXt , () `\definefontfeature` ().

¹ 10.1, 'e' .

² , 'ı'.

³ L^AT_EX `\DH` „fontenc”.

10.1.3

. ConT_EXt , . , , , . , \mu (μ), \Mu (M). 10.4 , .

(/)	(/)
α, A	\alpha, \Alpha
β, B	\beta, \Beta
γ, Γ	\gamma, \Gammaa
δ, Δ	\delta, \Delta
ε, ε, E	\epsilon, \varepsilon, \Epsilon
ζ, Z	\zeta, \Zeta
η, H	\eta, \Eta
θ, ϑ, Θ	\theta, \vartheta, \Theta
ι, I	\iota, \Iota
κ, κ, K	\kappa, \varkappa, \Kappa
λ, Λ	\lambda, \Lambda
μ, M	\mu, \Mu
ν, N	\nu, \Nu
ξ, Ξ	\xi, \Xi
ο, O	\omicron, \Omicron
π, ϖ, Π	\pi, \varpi, \Pi
ρ, ϱ, P	\rho, \varrho, \Rho
σ, ς, Σ	\sigma, \varsigma, \Sigma
τ, T	\tau, \Tau
υ, Υ	\upsilon, \Upsilon
φ, ϕ, Φ	\phi, \varphi, \Phi
χ, X	\chi, \Chi
ψ, Ψ	\psi, \Psi
ω, Ω	\omega, \Omega

10.4

(, , , ,) .

10.1.4

, T_EX (ConT_EXt) . . .

10.1.5

, . UTF-8 () . ConT_EXt . , .
, , / . , . \definecharacter :
\definecharacter

- . , .

- $\backslash.$:
 — ().
 — . , , `\showfont[]`.
 — .
 , (10.1.2). : 'D'. , , `\decontract` `\decontract.` :

`\definecharacter decontract D`

, , , , 'D' .

ConT_EXt `\definecharacter.` . :

```
\buildmathaccent
\buildtextaccent
\buildtextbottomcomma
\buildtextbottomdot
\buildtextcedilla
\buildtextgrave
\buildtextmacron
\buildtextognek
```

: , ConT_EXt (c, k, l, n, r, s t), . 'b' `\buildtextcedilla` :

`\definecharacter bcedilla {\buildtextcedilla b}`

```
\bcedilla 'b' : 'b'. „” . , .
\buildmathaccent \buildtextognek . .
```

`\buildtextaccent` , . „buildtextaccent”, ; ,
 . , . 'D' ,

`\definecharacter decontract {\buildtextaccent D E}`

'D' („D”) . , .

`\definecharacter unusual {\buildtextaccent_ "}`

„ ” `\unusual.`

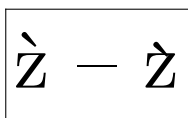
build — . , 'z':

- `\buildtextbottomcomma` ('z').
- `\buildtextbottomdot` ('z').
- `\buildtextcedilla` ('z').

• `\buildtextgrave` (`'z'`).

• `\buildtextmacron` (`'z'`).

, `\buildtextgrave` `\buildtextaccent;`, , . , :



10.1.6

„ConT_EXt Standalone” ConT_EXt . „cc”, „cow”, „fontawesome”, „jmn”, „mvs” „nav”. :

- `cc` „cc”.
- `cow` „cownormal” „cowcontour”.
- `fontawesome` „fontawesome”.
- `jmn` „navigation 1”, „navigation 2”, „navigation 3” „navigation 4”.
- `mvs` „astronomic”, „zodiac”, „europe”, „martinvogel 1”, „martinvogel 2” „martinvogel 3”.
- `nav` „navigation 1”, „navigation 2” „navigation 3”.

`was` “wasy general”, “wasy music”, “wasy astronomy”, “wasy astrology”, “wasy geometry”, “wasy physics” “wasy apl”. , .

, :

```
\usesymbols[]
\showsymbolset[]
```

: „mvs/zodiac”, :

```
\usesymbols[mvs]
\showsymbolset[zodiac]
```

:

Aquarius	♒	♒
Aries	♈	♈
Cancer	♋	♋
Capricorn	♐	♐
Gemini	♊	♊
Leo	♌	♌
Libra	♎	♎

Pisces	♓	♓
Sagittarius	♐	♐
Scorpio	♏	♏
Taurus	♉	♉
Virgo	♍	♍

```

. \symbol . :
\symbol[] []
\usesymbols. , ( mvs/zodiac)
\usesymbols[mvs]
\symbol[zodiac][Aquarius]
„ℵ”, „”, . \definecharacter .
\definecharacter Aries {\symbol[zodiac][Aries]}
\Aries „♈”.
, , . :
\usesymbols[mvs]
\definesymbol[1][{\symbol[martinvogel 2][PointingHand]}]
\definesymbol[2][{\symbol[martinvogel 2][CheckedBox]}]
\startitemize[packed]
\item \item
\startitemize[packed]
\item \item
\stopitemize
\item
\stopitemize

```



10.2

, , , . 6. , , (). , () 12.5.

10.2.1 ,

. ConTeXt, , , :

- `\word{}`: .
- `\Word{}`: .
- `\Words{}`: ; .
- `\WORD{}` `\WORDS{}`: .

`\cap` `\Cap` : , , 'x' (6.4.2) , , , . (6.5.2) :

1. `\cap` `\Cap` , .
2. , , , ., `\cap` `\Cap` .

`\cap` `\Cap` , `\Cap` , . 'caps' , .

,

, `\Cap{}` | , ...
`\cap{}` ...

„UN” () (, „UN”). `\cap{uN}` `\cap` : , ; `\Cap`

, , , „” :

`\cap{` | `{\bf }` }.
`\cap{}` | .

`\nocap` `\cap` `\cap` . :

`\cap{When I was One I had just begun,` | WHEN I WAS ONE I HAD JUST BEGUN,
`when I was Two I was \nocap{nearly}` | TWO I WAS nearly NEW (A.A. MILNE).
`new (A.A. Milne)}.`

`\cap` `\setupcapitals,` , . `\definecapitals.`

:

`\definecapitals[] []`
`\setupcapitals[] []`

„” `\setupcapitals` . , `\cap.` , `\definecapitals` .

, : „title”, „sc” „style”, „yes” „no”. „title” (), „sc”
 („yes”), („no”). , . „style” `\cap.`

10.2.2

(3.1) „_” „^” . , ConT_EXt :

- `\high{}`: .
- `\low{}`: .
- `\lohi{}{}`: , : , , :

`\lohi{}{}` |

10.2.3

`verbatim (verbum = + atim), „ ” „ ”, ConTEXt ,`
`. ConTEXt \type. , typing . , ConTEXt ,`
`. , , \type, \starttyping , , .`

`\type :` (ConT_EXt), () .

ConT_EXt `\type` , ; , .

:

```
\type 1 1
\type | |
\type z z
\type ( (
```

`'1', '|', 'z';: , ConTEXt \type . , , '(, ')', , '('`
`)' , \type, , .`

`\type :`

- `'{', '}'`.
- `'<<', '>>'`.

`: \type „ ”. , \type , ConTEXt; \type, :`
`ConTEXt . : \type * : '}'*.`

`\type \starttyping \setuptype \setuptyping. \definetype`
`\definetyping. , „setup-en.pdf” (tex/texmf-context/doc/context~`
`/documents/general/qrcs).`

`\type :`

- `\typ:` `\type`, .
- `\tex:` T_EX ConT_EXt: . , `\type` . , `\tex`
 ConT_EXt.

10.3

10.3.1

ConT_EXt (T_EX) :

- , , , , , " " (") " " ("). , , , .
- , .

– , ConT_EXt , 11.3. , ConT_EXt (),

– , , ConT_EXt , .

(), . `\setupspacing[broad]`
`\setupspacing[packed].` (,), 10.5.2.

10.3.2

, . ConT_EXt :¹ `\stretched`, :

`\stretched[] {}`

:

- **factor:** . 0.05 .

- **width:** , .

, `width factor 0.25, width \stretched` , .
 0.25 `width, (0).`

- **style:** .

- **color:** .

, :

```
\stretched[width=4cm]{\tt test text}
\stretched[width=6cm]{\tt test text}
\stretched[width=8cm]{\tt test text}
\stretched[width=9cm]{\tt test text}
```

. 'x' 't' „text“, 'e' 'b' „test“, .

, . , \ , . :

¹ ConT_EXt ConT_EXt . , :


```
\stretched{\tt \}
```

|

```
\setupstretched.
```

```
\definestretched , , ( 3.6) \setupstretched \setupcharacterkerning
\definecharacterkerning. , \stretched, .
```



10.3.3

, , ConT_EXt , 4.2.1. , :

- `\,` (). , , (. 1.000.000), . : „1\,473\,451” „1 473 451”.
- `\space` „\ ” (, „ ”,) .
- `\enskip`, `\quad` `\qqquad` , 1 2 . 'm', . , 12 , `\enskip`
6 , `\quad` 12 , `\qqquad` 24 .

, `\hskip` `\hfill` :

```
\hskip . :
```

```
\hskip 1cm 1 \\\
\hskip 2cm 2 \\\
\hskip 2.5cm 2,5 \\\
```

|

```
1
2
2,5
```

, . :

```
\hskip -1cm
```

|

```
\hfill, , , , :
```

```
\hfill \\\
\hfill
```

|

10.4

” , „ . : ” („ + ”) . , (,
!). , „-” „-”.

ConT_EXt . , .

„||” ConT_EXt . :

- , , „||”.
- /, , „|/|”.

ConT_EXt , . ConT_EXt `\setuphyphenmark`, ,
 „--”). , „||”, ConT_EXt „-”.
`\setuphyphenmark` (). „--”, ---, -, , (,), =, /”. , „=”
 e („---”).
 „||” , . , „()”, , „/”. , „(|)|” „|/|”. ,
 „|=|” „|---|” (—).

10.5

. ConT_EXt , . :

- .
- .
- .

10.5.1

ConT_EXt . :

- `\mainlanguage` .
- `\language` .

(). \hat{o} ISO 639-1, , , , .

10.5 ConT_EXt, ISO , , .¹

, (), :

```
\mainlanguage[es]
\mainlanguage[spanish]
\mainlanguage[sp]
```

, `\language[ô]`, . , `\en`, `\fr`, `\es`, `\ca`. , ,
 . , `\language` (`\en`, `\fr`, `\de`, .) (10.5.3).

, , , , . , . , ConT_EXt , , ,
 . , , , .
 (,), : () . , , :

¹ 10.5 :
`\usemodule[languages-system]`
`\loadinstalledlanguages`
`\showinstalledlanguages`
 (2020), ConT_EXt , .
 2020. — .

	ISO 6	()
Afrikaans	af, afrikaans	
Arabic	ar, arabic	ar-ae, ar-bh, ar-dz, ar-eg, ar-in, ar-ir, ar-jo, ar-kw, ar-lb, ar-ly, ar-ma, ar-om, ar-qa, ar-sa, ar-sd, ar-sy, ar-tn, ar-ye
Catalan	ca, catalan	
Czech	cs, cz, czech	
Croatian	hr, croatian	
Danish	da, danish	
Dutch	nl, nld, dutch	
English	en, eng, english	en-gb, uk, ukenglish, en-us, usenglish
Estonian	et, estonian	
Finnish	fi, finnish	
French	fr, fra, french	
German	de, deu, german	de-at, de-ch, de-de
Greek	gr, greek	
Greek (ancient)	agr, ancientgreek	
Hebrew	he, hebrew	
Hungarian	hu, hungarian	
Italian	it, italian	
Japanese	ja, japanese	
Korean	kr, korean	
Latin	la, latin	
Lithuanian	lt, lithuanian	
Malayalam	ml, malayalam	
Norwegian	nb, bokmal, no, norwegian	nn, nynorsk
Persian	pe, fa, persian	
Polish	pl, polish	
Portuguese	pt, portuguese	pt-br
Romanian	ro, romanian	
Russian	ru, russian	
Slovak	sk, slovak	
Slovenian	sl, slovene, slovenian	
Spanish	es, sp, spanish	es-es, es-la
Swedish	sv, swedish	
Thai	th, thai	
Turkish	tr, turkish	tk, turkmen
Ukrainian	ua, ukrainian	
Vietnamese	vi, vietnamese	

10.5 ConT_EXt

```
\setuplanguage[en][patterns={en, agr}]
```

, , . , .

10.5.2

ConT_EXt . \setuplanguage :

```
\setuplanguage[] []
```

ô , () . , 32 , :

- `date:` . 116.
- `lefthyphenmin, righthyphenmin:` . `\setuplanguage[en][left-hyphenmin=4]` 4 .
- `spacing:` „broad” „packed”. (broad), , , „spacing=packed” . , broad .
- `leftquote, rightquote:` (), , `\quote` (, 117).
- `leftquotation, rightquotation:` (), , `\quotation` (, 117).

10.5.3

`ConTExT` (), , `\placetable` „xx” , `\placefigure` „xx”.

`\mainlanguage` (`\language`)

`\setuplabeltext[] [=]`

`ConTExT` , `ConTExT` . ,

`\setuplabeltext[es][figure=Imagen~]`

, `\placefigure` „Figure x”, „Imagen x”. , „~”;
 „[figure=Imagen{ }]” `ConTExT` .

`\setuplabeltext?` `ConTExT` . 2013. () „chapter”, „table”, „figure”, „appendix”... „ ”.



; . , `ConTExT`, „lang-txt.lua”, `tex/texmf-context/tex/context/base/mkiv` ; `ConTExT` , .

, `\labeltext.` , , `ConTExT` `\placetable`, : „
`\labeltext{table}` .” `\mainlanguage` : „ .”

`\setuplabeltext` ; , „chapter” „section”. `ConTExT` . , , ,
`\setuplabeltext[chapter=~]` „ ”.

, `ConTExT` , . `\setuplabeltext` .

10.5.4

•

`ConTExT` . :

- `\currentdate:` , „. ”. : „11. 2020”. (,
 9/11), (weekday), (day, month, year)

, „dd” „day” , „mm” (), „month” , „MONTH” . , „yy” , „year” „y”
 . , .

`\currentdate[weekday, dd, month]`

9. 2020 „ 9 ”.

- `\date:` , , `\currentdate,` . , . : („d”), („m”) („y”)
 , () . , e, 6. 1957. ,

`\date[d=6, m=7, y=1957][weekday]`

.

- `\month` .

`.\translate`

`translate` , , . `translate` , (`buffer` , [12.6](#)):

```
\startbuffer
\starttabulate[|*{4}{lw(.25\textwidth)}|]
\NC \translate[es=Su carta de fecha, sr= ]
\NC \translate[es=Su referencia, sr= ]
\NC \translate[es=Nuestra referencia, sr= ]
\NC \translate[es=Fecha, sr=] \NC\NR
\stoptabulate
\stopbuffer
```

„ Su carta de fecha Su referencia Nuestra referencia Fecha ”.

```
\language[es]
\getbuffer
```

Su carta de fecha

Su referencia

Nuestra referencia

Fecha

```
\language[sr]
\getbuffer
```

`.\quote \quotation`

(), . , ConT_EXt `\quote \quotation` ; `\quote` ,
`\quotation` .

(10.5.2); , −) , , , :

```
\setuplanguage[es][leftquotation=«, rightquotation=»].

, ; , \quote \quotation ConTEXt delimitedtext, \definede-
limitedtext . :

\definedelimitedtext
[CommasLevelA]
[left=«, right=»]

\definedelimitedtext
[CommasLevelB]
[left=", right="]

\definedelimitedtext
[CommasLevelC]
[left=`, right=']

. , , .

, , ( , !).
```

```

: 11.1 ; 11.1.1 ; 11.1.2 ; 11.2 ; 11.2.1 \setupwhitespace; 11.2.2 ;
11.2.3 ; 11.2.4 \setupblank \defineblank; 11.2.5 ; 11.3 ConTEXt
; 11.3.1 '~'; 11.3.2 ; 11.3.3 ; 11.3.4 ; 11.4 ; 11.5 ; 11.5.1
; 11.5.2 ; 11.6 ; 11.6.1 ; 11.6.2 ;

```

```

5, , , 6, , , .

```

11.1

ConT_EXt. :

1. .
2. `\par \endgraf`.

. (3.7.1) (13.3).

, . : , , , .
 . ; , , .

ConT_EXt .

11.1.1

. , , `\setupindenting` :

- **always:** , .
- **yes:** . , , .
- **no, not, never, none:** .

, . (1.5 cm) „small”, „medium” „big” , .

(), . , (. , . ; (). 12 , 12 12 . ConT_EXt
 : `\quad` , `\qqquad` , 11 22 , 12 , 24 .

```
, , \noindentation.
, \setupindenting[yes, big] , , .
```

11.1.2

, () . , , .

ConT_EXt . „narrower” :

```
\startnarrower[] ... \stopnarrower
```

:

- left: .
- *left: , (2*left).
- right: .
- *right: , (2*right).
- middle: . .
- *middle: , .

```
, „narrower”. \setupnarrower :
```

- left: .
- right: .
- middle: .
- before: .
- after: .

```
narrower , \definennarrower[] []
```


```
, \setupnarrower.
```

11.2

11.2.1 \setupwhitespace

[4.2.2](#), ConT_EXt : . , \setupwhitespace :

- none: .
- small, medium, big: , .

- `line`, `halfline`, `quarterline`: , .
- : . , `\setupwhitespace[5pt]`.
`\setupwhitespace.` small, medium, big, line, halfline quarterline. :
- (3.8.2) , , ConTeXt . .
- small, medium, big, . , , , , () .
, : `\nowhitespace`, `\whitespace` ., , ConTeXt ;
, .
 `\nowhitespace` . `\whitespace`, ? , `\whitespace` . , .

11.2.2

, `\setupwhitespace`, , , ConTeXt , .
„packed” ,

`\startpacked[] ... \stoppacked`

. , .

11.2.3

, `\blank.` , `\blank` `\setupwhitespace.` ,
: small, medium big. , , `\blank[3*medium]` . . ,
`\blank[2*big, medium]` insert two large and a medium break.

`\blank` , ; `\blank` , (). `\blank` . ,
„force” . , , (), `\chapter :`

```
\setuphead
[chapter]
[
  page=yes,
  before={\blank[4cm, force]},
  after={\blank[3*medium]}
]
```

. „force”.

11.2.4 `\setupblank` `\defineblank`

`\blank` , `\blank[big]` ., `\setupblank`, `\setupblank[0.5cm]` ,
`\setupblank[medium]`. , `\setupblank` .

```

\setupwhitespace, \blank, , . „fixed”, „flexible”. ,
, \setupblank[fixed, line], , \setupblank[flexible, default].

\defineblank. :
\defineblank[] []
, \blank[].

```

11.2.5

```

TEX \vskip. , TEX, ConTEXt ConTEXt. \godown :
\godown[]

. , \godown[5cm] 5 ; 5 , \godown . , \godown , , ,
„\_ \godown[3cm]”1 , .

, \blank . , , \blank[3cm] \godown[3cm] . , . , \blank , , . ,
\godown .

TEX ConTEXt, \vfill. . . , , \vfill .
\vfill , , .

, , :
\vfill

\page[yes]

, \vfill . . :

\page[yes]
\ \vfill

\vfill
\page[yes]

„ ” .

```

11.3 ConT_EXt

. , 15 , , ConT_EXt , . .

¹ „_” .

ConTeXt, ConTeXt. , , ; ConTeXt. , , ; .
 , ConTeXt *badness* () . . , , ConTeXt (). , , ,
 . . .

11.3.1 ‘~’

. , , ‘~’, T_EX , .
 :

- . U~S.
- . , ~ .~45.
- . , ~II, 45~.
- , . , 73~, \$~53; , 35'.
- . , ~.
- . , 5~357~891. , ConTeXt \,, 5\,357\,891.
- . :

‘~’
 ,~.

, (T_EX) :

- .
- , , , , ~12.
- , . , ~E. , A.~.
- . , ~\$d\$, ~\$w\$.
- . {1,~2, \dots,~\$n\$}.
- . , 0 ~1.
- . , ~~\$n\$.
- . : (1)~, (2)~, (3)~.

?, . , , . – – (), . (): , , .

11.3.2

, . ConTeXt (); , , .
`\mainlanguage.`

ConTeXt . (, ConTeXt); . , ConTeXt „unionised”?
 „the unionised workforce” (), „an unionised particle” (.).
 ConTeXt „manslaughter” () , . man-slaughter () mans-laughter
 ().

```

, , , \- . , „unionised” , „union\ -ised”;
„manslaughter”, „man\ -slaughter”.

, \hyphenation: , , . :

\hyphenation{union-ised, man-slaughter}

, . \hbox , \unhyphenated . \hyphenation ,
\hbox \unhyphenated , \hyphenation ; \hbox \unhyphenated
.

, TEX \pretolerance \tolerance. . 100, , 10 000, ConTeXt
, de facto . \pretolerance -1, , ConTeXt .

\pretolerance . :

\pretolerance=10000

„lesshyphenation” „morehyphenation” \setupalign. , 11.6.1.

```

11.3.3

```

, ConTeXt , , . ( ) , ,
\break , , .

, ConTeXt . \setuptolerance ConTeXt „” ( ) „
” . 11.6.2.

( ) „verystRICT”. , , : „strict”, „tolerant”, „verytolerant”
„stretch”. ,

\setuptolerance[horizontal, verytolerant]

```

11.3.4

```

, \break, \crlf \\ . , \break, . \break (
) ( ).

\emph{}
\break ,

,

, \\ \crlf , , :

```

`\emph{}`
`\\` ,
 ,
 , `\\ \crlf;` :
 • `\\` , .
 • `\crlf` .
 . , , . :
 • ConTeXt , . (, , [10.2.3]), `\break` .
 • , , , , ; , , , `\\ \crlf` .
 • , , . writing lines 11.5.1.

11.4

. ConTeXt `\setupbodyfont \switchtobodyfont`.
`\setupinterlinespace` :
 • `\setupinterlinespace [...]`, :
 – , (, 15pt), (, 1.2). „ ” ConTeXt .
 – , „small”, „medium” „big” , , , ConTeXt.
 • `\setupinterlinespace [...]=...]`. , ConTeXt .
 ; : , . `\setupinterlinespace` , . (,) : line, height, depth, minheight, mindepth, distance, top, bottom, stretch shrink.
 • `\setupinterlinespace []`. `\defineinterlinespace`.
`\defineinterlinespace[] []`
`\setupinterlinespace[]`. , `\setupinterlinespace[reset]`.

11.5

11.5.1

(4.2.2), ConT_EXt , , , , . ConT_EXt „lines” :

`\startlines[] ... \stoplines`

, :

- **space:** „on”, , , .
- **before:** .
- **after:** .
- **inbetween:** .
- **indenting:** (11.1.1).
- **align:** (11.6).
- **style:** .
- **color:** .

,

`\startlines`

,

.

,

.

`\stoplines`

`\setuplines` , ConT_EXt , `\definelines` . :

`\definelines[] []`

. , :

`\startlines[] ... \stoplines`

11.5.2

, , , , , ConT_EXt linenumbering

`\startlinenumbering[] ... \stoplinenumbering`

:

- **continue:** , („continue=no”,). , „continue=yes”.
- **start:** '1', .
- **step:** , . (5, 10, 15, ...).
- `\setuplinenumbering` *linenumbering* . :
- **conversion:** . 77 .
- **style:** () (, , ...).
- **color:** .
- **location:** . : text, begin, end, default, left, right, inner, outer, inleft, inright, margin, inmargin.
- **distance:** .
- **align:** . : inner, outer, flushleft, flushright, left, right, middle auto.
- **command:** .
- **width:** .
- **left, right, margin:**

`\defineline numbering` :

`\defineline numbering[] []`

,

`\startlinenumbering[] ... \stoplinenumbering`

11.6

`\setupalign.` .

11.6.1

, .¹ :

¹ ConTeXt .

1. `ConTeXt` .
`flushright flushleft, \setupalign right left. : left „”, right „”, \setupalign[left] , and \setupalign[right] .`
`ConTeXt flushleft flushright. , ’ ’ ’’, ConTeXt, ’ ’ ’`
`, ’ ’ ’ ’ .`

`flushinner (inner) flushouter (outer) .`

2. `\setupalign middle.`

3. `ConTeXt , \setupalign . , , \setupalign[reset].`

`\setupalign (right, flushright, left, flushleft, inner, flushinner, outer, flushouter middle) broad, .`

`\setupalign , , ; .`

`\setupalign morehyphenation ConTeXt lessshyphenation .`
`\setupalign[horizontal, morehyphenation], , . , \setupalign[horizontal, lessshyphenation] , .`

`\setupalign , , . , :`

- „alignment”, . :

`\startalignment[] ... \stopalignment`

`\setupalign.`

- `\leftaligned, \midaligned \rightaligned , , ; (,) , \wordright.`

`„right” „left” \setupalign , \leftaligned \rightaligned : left , right .`

11.6.2

`„line”). „bottom”. , : , ? („height”), ; („bottom”) ,`

`\setuptolerance ConTeXt (), , . ConTeXt : verystRICT, STRICT, tolerant verystolerant.`
`\setuptolerance [vertical, STRICT].`

ConTEXt . . . , ; , .

ConTEXt . ConTEXt: `\widowpenalty` , `\clubpenalty` . ,

:

`\widowpenalty=10000`

`\clubpenalty=10000`

ConTEXt . . . 10 000, , ; , , 150 , ,

.

12

: **12.1** ; 12.1.1 ConT_EXt ; 12.1.2 ; 12.1.3 ; 12.1.4 ; 12.1.5 ;
12.1.6 ; **12.2** ; 12.2.1 `\startcolumns` ; 12.2.2 ; **12.3** ; 12.3.1 ;
; ; 12.3.2 ; 12.3.3 ; 12.3.4 ; 12.3.5 `\items` ; 12.3.6 ; **12.4** ;
12.4.1 ; 12.4.2 ; **12.5** ; 12.5.1 ; 12.5.2 ; 12.5.3 ; **12.6** ;

12.1

” , , , , ” [*Libro de Estilo de la Lengua española* (), . 195].
 . (); (), , (). , : , , , .
ConT_EXt .

, :

- : . , , : .
- : , . , , .
 , : , , .
- , , .
- : , .

12.1.1 ConT_EXt

ConT_EXt . , :

- : , . `\footnote`.
- : `\endnote` ; , (`\placenames`).
- : , ID . () `\inmargin \margintext`.
- : , `\startlinenumbering ... \stoplinenumbering` (11.5.2). ,
 , `\linenote \setuplinenote` , ().

- (5.7).
- () , .
- () () ConTeXt, . . .

12.1.2

, , (). `\definenote (12.1.4)` .

```

:
\footnote[]{}
\endnote[]{}

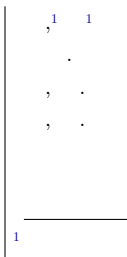
```

- .
- . , , .
- , \note . . :

```

, \footnote[glisa]{
}
\note[glisa]\\
.\\ ,
.\\
, .

```



`\footnote \endnote` :

`\footnote` , , (,) . , ConTeXt .

```

, \footnote , . , , columns . , \footnote \footnotetext
\note . , , . \note , , \note[MyLabel] ,
\footnotetext[MyLabel]{ }.

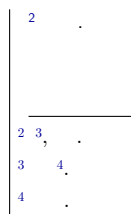
```

`\footnotetext \note` . :

```

%
\footnote{ \note[noteB], .}%
\footnotetext[noteB]
{ \note[noteC].}
\footnotetext[noteC]{
.}
.

```



`\endnote` . , (`\placenotes[endnote]`) , , ().

12.1.3

`\startlocalfootnotes` , , `\placelocalfootnotes`,
.

12.1.4

`\definenote` . , , .

`\definenote` :

`\definenote [] [] []`

- .
- . `footnote endnote;` , , `\placenotes[endnote]`
`\placenotes [] ()`.
 , , .
- : , , .
ConTeXt (3.6) `\setupnote.` , , : `\setupnote`
`\setupnotation.` , .
 , „BlueNote” , :

`\definenote [BlueNote] [footnote]`

`\setupnotation`

`[BlueNote]`

`[color=blue, style=bf]`

, . *BlueNote*, . `\BlueNote` `\footnote:`

`\BlueNote [] {}`

12.1.5

(, `\definenote` `\linenote`) : `\setupnote` `\setupnotation`¹. :

¹ `\setupnote` 35 45 `\setupframed;`
`\setupnotation` 45 23 `\setupcounter.` , , ; , ... , ; , .
 , :

```

\setupnote[] []
\setupnotation[] []

    (footnote, endnote      )      .

    ,      ;      .      ,      ,1 ,      , \setupnotation
    ,      , \setupnote      .

    .      ,      :

•      :

    .      :

    -      : start \setupnotation.      ,      .

    -      ,      numberconversion \setupnotation.      :

    *      : n, N numbers.
    *      : I, R, Romannumerals, i, r, romannumerals.      ,      .
    *      : A, Character, Characters, a, character, characters      (
    ) ().
    *      .      ,      , '3' 'three'.      . Words      , words .
    *      :      ,      : set 0, set 1, set 2 set 3. 78      .

    -      :      way \setupnotation.      bytext,      ,      . bychapter,
    bysection, bysubsection, .,      , , , byblock      ( 7.6) .
    bypage,      .

•      :

    -      : number \setupnotation.

    -      : alternative \setupnotation:      : left, inleft, leftmar-
    gin, right, inright, rightmargin, inmargin, margin, innermar-
    gin, outermargin, serried, hanging, top, command.

    -      : numbercommand \setupnotation.

    -      : textcommand \setupnote.

```

-
- `\setupnotes \setupnotations:` , . , .
 - `\setupfootnotes \setupendnotes:` , . , , (numberconversion) `\setupfootnotes` , ...
- () , , .

¹ ConTeXt (), `\setupnotation` , `\setupnote` (?) , , () width `\setupnote`, `\setupnotation` .

- numbercommand textcommand . . . , (`\bf`, `\it`, .), .
- (): distance width `\setupnotation`. () .
- : interaction `\setupnote.yes` , no .
- .
- :
 - : location `\setupnote`.
 - (location=page), `\placenotes[endnote]` (location=text). ,
 - location=text, `\placenotes[footnote]`, `\placefootnotes`.
 - : , paragraph `\setupnote` „yes”.
 - : style `\setupnotation`.
 - : bodyfont `\setupnote`.
 - . , ConT_EXt , .
 - : margin `\setupnotation`.
 - : width `\setupnote`.
 - : n `\setupnote` . 'n' .
- : :
 - rule, `\setupnote` (rule) . yes, on, no off. , .
 - before, `\setupnotation:` . , , .
 - after, `\setupnotation:` .

12.1.6

`\notesenabledfalse` `\notesenabledtrue` ConT_EXt . , . ,
, , , , .

12.2

:

- .
- , , , , .
- .
- , . ; (13.1) (13.3) .
- , ConTeXt ., :
- : () () . , , , .
- : ConTeXt (), 20 40 .
- ,
- (5.3.4).
- , , , .

12.2.1 \startcolumns

- columns :
- \startcolumns[] ... \stopcolumns
- , ,
- \setupcolumns[Configuration]
- , , :
- :
 - n: . , .
 - nleft, nright: (5.3.4), () () .
 - distance: .
 - separator: . space () rule, (rule) . , :
 - ★ rulecolor: .
 - ★ rulethickness: .
 - maxwidth: + .
- :

- `balance: ConTeXt` , . , `no` .
- `direction: . ()`, `reverse` .
- `:`
 - `tolerance: , ConTeXt (11.3)`, . (11.3.3), .
 - `align: . :right, flushright, left, flushleft, inner, flushinner, outer, flushouter, middle broad.` , 11.6.1.
 - `color: .`

12.2.2

. (,), , , , , ; , , .
 ; ConTeXt. `\defineparagraphs \setupparagraphs` , ,
 , .
 , . „” ConTeXt : „*paragraphs*”.

`\defineparagraphs` :

`\defineparagraphs [] []`

, ,

`\setupparagraphs [] [] []`

, , .

:

```
\defineparagraphs
[MursijaCinjenice]
[n=3, before={\blank},after={\blank}]
```

```
\setupparagraphs
[MursijaCinjenice] [1]
[width=.1\textwidth, style=bold]
```

```
\setupparagraphs
[MursijaCinjenice] [2]
[width=.4\textwidth]
```

MursijaCinjenice, 10 . , , . 50%.

, :


```

\startMursijaCinjenice
825
\MursijaCinjenice
.
\MursijaCinjenice
.
825. - II
( ),
.
\stopMursijaCinjenice

```

825 . , 825. - II (), .

, (\startMursijaCinjenice), .

:

- , \defineparagraphs[BrankoKockica], \startBrankoKockica
\stopBrankoKockica.

- \BrankoKockica, .

(\setupparagraphs), , , , , ., \setupparagraphs
[] [] , \setupparagraphs [] [] [] .

- | | | |
|-----------|----------------------|------------------|
| • n: | • distance: | • rulethickness: |
| • before: | • align: \setupalign | • rulecolor: |
| • after: | • inner: | • style: |
| • width: | • rule: on off | • color: |

; . , , , columns itemize, .

12.3

, . , . ConTeXt , itemize. , .

(), „” . () , ; ¹. , . HTML

, ; .

ConTeXt , ; , .

4, , 2013. . (15). , , ; ConTeXt .

, , , . ; .

ConTeXt \itemize :

¹ , .

```
\startitemize[] [] ... \stopitemize
```

. ConT_EXt ; , , .

12.3.1

•

`itemize` :

•	.	○	.
—	.	○	.
★	.	□	.
▷	.	✓	.
◦	.		

, . \startitemize[4] ▷ .

```
\definesymbol:
```

```
\definesymbol[] { }
```

```
\definesymbol[1] [\diamond]
```

◊. .

```
\definesymbol[10] [\copyright]
```

10 : ©.

•

, `itemize` . :

n	1, 2, 3, 4, ...	a	a, b, c, d, ...	r	i, ii, iii, iv, ...
m	1, 2, 3, 4, ...	A	A, B, C, D, ...	R	I, II, III, IV, ...
g	α, β, γ, δ, ...	KA	A, B, C, D, ...	KR	I, II, III, IV, ...
G	A, B, Γ, Δ, ...				

n m : **n** , **m** , , .¹

m, . .¹

12.3.2

```
\startitemize \item, , Mark IV : \startitem... \stopitem. :
```

¹ `m` *oldstyle* . (*onum* OpenType) `\os` . — . .

```
\startitemize[a, packed]
\startitem \stopitem
\startitem \stopitem
\startitem \stopitem
\stopitemize
```

a.
b.
c.

```
\startitemize[a, packed]
\item
\item
\item
\stopitemize
```

a.
b.
c.

```
\item \startitem . :

```

```
\head \item .
, . \item \head ConTeXt .
```

```
\sym \sym{} . \sym \item.
```

```
\sub ( ). , , '+'. , , .
```

```
\mar , ( , ). .
```

```
, , . \ran ( range - ) \its, items - . ( ), x ( 4,
items). :
```

```
, :
```

```
\startitemize[5, packed][width=8em, distance=2em, items=5]
\ran{ \hss }
\its \ConTeXt, .
\its .
\its .
\its
\quotation{}, .
\stopitemize
```

```
, :
```

```
o o o o o ConTeXt, .
o o o o o .
o o o o o .
o o o o o ” , .
```

12.3.3

- „itemize” ; „itemize” :
- columns: . columns : two, three, four, five, six, seven, eight nine. columns , .
- intro: .
- continue: () . continue , .
- packed: . .
- nowwhite: packed, : , .
- broad: . broad, example `\startitemize[2*broad]`.
- serried: .
- intext: .
- text: .
- repeat: . : 1, 2, 3, 4; : 1.1, 1.2, 1.3, . , .
- margin, inmargin: , (atmargin). margin inmargin .

12.3.4

- `\startitemize`, , .
- before, after: itemize .
- inbetween: .
- beforehead, afterhead: `\head`.
- left, right: . , , :
`\startitemize[a][left=(, right=)]`
- stopper: . .
- width, maxwidth: , .
- factor: .
- distance: .

- `leftmargin, rightmargin, margin:` `(leftmargin) (rightmargin) .`
- `start:` `.`
- `symalign, itemalign, align:` `. \setupalign.symalign ; itemalign , align .`
- `indenting:` `. 11.1.1`
- `indentnext:` `. yes, no auto.`
- `items:` `\its, .`
- `style, color; headstyle, headcolor; marstyle, marcolor; symstyle, symcolor:` `\item, \head, \mar \sym.`

12.3.5 `\items`

`itemize` `\items :`

`\items[] { 1, 2, ..., n}`

`. :`

`, ' :`

`\items{png, jpg, tiff, bmp}`

- | | |
|--|---------------------|
| | <code>, , :</code> |
| | ◦ <code>png</code> |
| | ◦ <code>jpg</code> |
| | ◦ <code>tiff</code> |
| | ◦ <code>bmp</code> |

`itemize,` `:`

- `symbol:` `itemize.`
- `n:` `.`

12.3.6

`.` `,` `.`

`:`

- `itemize \items .`
- `. : ListAlpha, ListRoman), .`

```
\setupitemize \setupitems. \defineitemgroup, \defineitems.
itemize, items.
```

12.4

, .

12.4.1

. :

```
\definedescription[] []
```

, . .:

```
\definedescription[Concept]
```

:

```
\Concept{}
\startConcept {} ... \stopConcept
```

, . , . , .

:

```
\definedescription
[Concept]
[alternative=left, width=3.5cm, headstyle=bold]
```

```
\Concept{}
```

```
,
\ConTeXt.
```

.

:

```
, ConTeXt.
```

```
ConTeXt, \setupdescription:
```

```
\setupdescription[] []
```

, . :

- `alternative:` . . . `left, right, inmargin, inleft, inright, margin, leftmargin, rightmargin, innermargin, outermargin, series, hanging` , , , .
- `width:` . . . `alternative,` .
- `distance:` .
- `headstyle, headcolor, headcommand:` : `(headstyle) (headcolor).`
`headcommand` . : `headcommand=\WORD` .
- `style, color:` .

12.4.2

. . . , `text.` , :

- .
- .

, , , , .

`\defineenumeration[] []`

```
, .
:

\defineenumeration
[Exercise]
[alternative=top, before=\blank, after=\blank, between=\blank]

Exercise , , :

\Exercise
\startExercise

exercise () , . , :

\subExercise
\startsubExercise
\stopsubExercise
\subsubExercise
\startsubsubExercise
\stopsubsubExercise
\subsubsubExercise
\startsubsubsubExercise
```

```

\stopsubsubsubExercise

:

• \set: .

• \reset: .

• \next: .

, \setupenumeration :

\setupenumeration[] [].

. , \setupenumeration [subExercise] [] „Exercise”.

\setupenumeration \setupdescription.

```

12.5

ConTeXt \TeX , . : ConTeXt (\TeX) . , .
, ConTeXt . ConTeXt MetaPost, TiKZ (ConTeXt), .
, , .

12.5.1

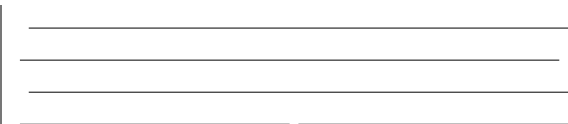
```

\hairline .

\hairline . , \thinrule. . \hairline,
\thinrule \hfill ( 10.3.3), ( \hfill), .

\thinrule\\
\thinrule \\
\thinrule \\
\thinrule \thinrule

```



```

\thinrules . \thinrules[n=2] , . \thinrules , ,
, \setupthinrules. (rulethickness), (color), (background),
(interlinespace), .

. setup-en.pdf ( 3.6). (. ), , . : rulethickness.
height depth.

\h1 \v1. , . \h1 ( ), \v1 .

\h1[3] 3 , \v1[3] . , . , 1.

```



```

\fillinline . ( \setupfillinlines) (width) .
. :
\fillinline[width=6cm]

```



```

. , fillinline .
, (margin), (distance), (rulethickness) (color).
\fillinrules \fillinline, („n”).
\fillinrules[] {} {}
.

```

12.5.2

```

, , ConTEXt :
• .
• (), () ().
\textrule. ( ). :

```

```

\textrule{ }

```



```

\textrule : top, middle bottom. , .
\textrule \starttextrule , , . :
\starttextrule[] { } ... \stoptextrule
\textrule \starttextrule \setuptextrule.
, , , :
\underbar{}
\underbars{}
\overbar{}
\overbars{}
\overstrike{}
\overstrikes{}

```



, (, ,) . , , , .
 , . , . , `\underbar` , .
`\underbar` . `\underbar` .

12.5.3

, :

- `\framed` `\inframed` .
- `\startframedtext` .

`\framed` `\inframed` . `\frame` , , . `\inframed` , . :
`\framed{}` | `\inframed{}`. `\frame` .

`framed` `inframed` `\setupframed`, `\startframedtext` `\setupframedtext`.
 . (height, width, depth), (framecorner), rectangular ()
 (round), (framecolor), (framethickness), (align), (foregroundcolor),
 (background backgroundcolor),.

`\startframedtext` : frame=off (,). , framedtext ,
 .
`\defineframed` `\defineframedtext`.

12.6

ConT_EXt , . :

- `buffer` . `\startbuffer[] ... \stopbuffer`
`\getbuffer[]`, .
- `chemical` . T_EX , , , ConT_EXt , .
- `combination` .
- `formula` .
- `hiding` , . . . , , `\starthiding`,
`\stophiding`.
- `legend` , T_EX . , . `\startlegend` .

- `linecorrection` ConT_EXt , . `\framed.` .
 - `mode` . , . `\startnotmode.`
 - `opposite` .
 - `quotation` `narrower,` . , . , — .
 - `standardmakeup` , , , , .
(), :
1. ConT_EXt . ; .
 2. .
 3. ConT_EXt (3.6) , .

9

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

, : , . , , , , .
 , , , , . , , .
 ; . ” , . ConTeXt , , ; .
 , . , , .
 , ; , , . : ” , , :
 , .
 (), ” ” ” , „1.3”, ConTeXt (9.2). , (, , , .). ,
 (8.2).
 ConTeXt . : . , .

(1.5), ConT_{EX}t MetaPost . ConT_{EX}t¹ TiKZ.²
(). , ConT_{EX}t .

() \externalfigure

² T_EX: „” „TiKZ ist keinen Zeichenprogramm” : „TiKZ ”. . MetaPost (), TiKZ .

`\externalfigure[] []`

- , , `\useexternalfigure` `\externalfigure` .
- . 13.2.4.

pdf, mps, jpg, png, jp2, jbig, jbig2, jb2, svg, eps, gif tif. ConT_EXt , (svg, eps, gif tif) , , ConT_EXt .

`\externalfigure` . : QuickTime (.mov), Flash Video (.flv) MPEG 4 (.mp4). PDF
PDF . , .

: ConT_EXt . , , PDF , , MPS (MetaPost). , : jpeg, png, jpeg 2000, jbig jbig2.

, ConT_EXt method.

, , , , , .

ConT_EXt , . directory `\setupexternalfigures`, .
, location. , „img”, :

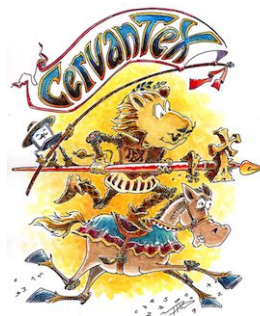
`\setupexternalfigures`
`[directory=img, location=global]`

directory `\setupexternalfigures` , ; . „directory={img, ~/slike}”.

directory '/' ; Microsoft Windows '\

`\externalfigure` . , CervanTeX . T_EX :¹

`\externalfigure`
`[http://www.cervantex.es/files/`
`cervantex/cervanTeXcolor-small.jpg]`



, LuaT_EX . . 1 . , ConT_EXt .

ConT_EXt , , (ConT_EXt) , . 13.4.3.

¹ , . , .

13.2.2 `\placefigure`

`\placefigure`. ConT_EXt:

- , .
- , .
- , .
- () .
- , .
- , .¹



:

`\placefigure[] [] {} {}`

:

- . , (13.4.1). , here . ConT_EXt , , .
- , (9.2).
- .
- .

```
\placefigure
[here]
[fig:texknuth]
{\TeX\    {\sc }}
{\externalfigure[https://i.ytimg.com/vi/8c5Rrfabr9w/maxresdefault.jpg]}
```



13.1 T_EX

¹ , force split .

, (,), `\externalfigure` . , . , . , :

- , „” , ConT_EXt . `\placelist[figure]` (8.2), `\placelistoffigures` `\completelistoffigures`.
- , `\placefigure`, (9.2).
- , , () , ConT_EXt .

, `\placefigure` , , . , . , `\placefigure`, , ; ConT_EXt
 , , , . :



13.2 `\placefigure`

:

```
\placefigure
[here, force]
[fig:testtext]
{ \backslash placefigure }
{ \rotate[rotation=180]{\framed{\tfd }} }
```

13.2.3

ConT_EXt , (,). `\placefigure` , (13.4.1),
 ConT_EXt . , , `figuretext` , :

```
\startfiguretext
[]
[]
{}
{}
...
```

```
\stopfiguretext
```

```
\placefigure . , ; , „left” , , „left, bottom”
```

.

.

13.2.4

•

```
\externalfigure . :
```

- ; . `\setupexternalfigures.`
- . `\useexternalfigure` .
- . `\externalfigure` .
- :
- :
 - , width height; , .
 - , . :
 - `width=.4\textwidth`
 - `40%` .
 - : `xscale` ; `yscale` , `scale` . `1000.:scale=1000` , `scale=500` , `scale=2000` .
 - , `maxwidth` `maxheight` . `maxwidth=.2\textwidth` `20%` .
 - `orientation.` .
 - `90` (`90`, `180` or `270`), , `\rotate.` , `45` `orientation=45`, `\rotate.`
 - `frame=on`, `framecolor`), `frameoffset`), `rulethickness`) `framecorner`) `round`) .
 - , , `\setupexternalfigures` , (`directory`), (`location=global`), (`location=local`), (`interaction`), .
 -
- ConT_EXt . `\externalfigure.` :
- : `\mirror.`
- : `\clip` (`width`), (`height`), (`hoffset`) (`voffset`). :
 - `\clip`
`[width=2cm, height=1cm, hoffset=3mm, voffset=5mm]`
`{\externalfigure[logo.pdf]}`
- . `\rotate.` `\externalfigure` , , `orientation` .
- , . , (), :


```
\mirror{ }\\
\rotate[rotation=20] { }
```

13.3

13.3.1

, , . , : () , () . , 13.3.

, , , () ConT_EXt.
() , ConT_EXt.
, .
ConT_EXt ; tabulate ,
T_EX ; , HTML , , ,
; , XML .
, . „ConT_EXt Mark IV
an excursion”, „ConT_EXt
Standalone” .

: ,
`\placetable` . :

- ConT_EXt (), 13.3

- , .

`\placetable` `\placefigure` (13.2.2):

```
\placetable[] [] {} {}
```

13.4.1 13.4.2 . , . „split”, , ConT_EXt , .

`\setuptables.` , `\placelistoftables` `\completelistoftables.`
, 8.2.2.

13.3.2 tabulate

`tabulate` , :

**Табела од 4 реда и 3
колоне**

Ред

Колона

```

\starttabulate[ ]
... %
...
...
\stoptabulate

```

() , () . , : , . , .

. . , , 1 2. , .

1. : „l”. , „[lT|rB|]” , „l” „T” (), „r” „B”. , „[l|l|l|l|]”.

2. : , . `tabulate` , .

. : , , , , („l”, *left*), („r”, *right*) („c”, *center*).

, . „w()”. , „[rw(2cm)|c|c|]” , , 2 , .

. : „p” . „p”, . „p()”, . :

```

\starttabulate[l|r|p|]
\starttabulate[l|p(4cm)|]
\starttabulate[r|p(.6\textwidth)|]
\starttabulate[p|p|p|]

```

, , , . , , ; , . , .

, „p” , .

3. : (,), . „B” , „I” , „S” , „R” , „T” .

4. :

- : „m” „M” .
- `TeX`, `ConTeXt`, , . () `ConTeXt` , . : („m”) .

- : „in”, „jn” „kn” („in”), („jn”) („kn”). , „n” (). , „lj2r|” 1 .

- . `b{}` `a{}` („b”, *before*) („a”, *after*) .

- . „B”, „I”, „S”, „R” „T” : . , , . „f\” . , „lf\sc|” .

- . , „h\” .

13.1 .

|l|	.
|rB|	, .
|cIm|	. , .
|j4cb{---}|	, (—) 2 .
|l|p(.7\textwidth)|	: , . 70% .

13.1 tabulate

- , . :
- . \HL (*Horizontal Line*).
 - : , . \VL (*Vertical Line*). , . , \VL.
 - \NR (*Next Row*). \HL .
 - , , . , \NR \HL .
 , \HL \VL \NC (*New Column*).
- , ô . 13.2 () . , .

\HL
\NC
\NR
\VL (\NC)
\NN (\NC)
\TB
\NB

13.2

, , ô 13.2.

```
\placetable
[here, force]
[tbl:tablecommands]
{
}
{\starttabulate[l|p(.6\textwidth)]
\HL
\NC {\bf }
\NC {\bf }
\NR
\HL
\NC \tex{HL}}
```

```

\NC
\NR
\NC \tex{NC}
\NC
\NR
\NC \tex{NR}
\NC
\NR
\NC \tex{VL}
\NC ( \tex{NC})
\NR
\NC \tex{NN}
\NC ( \tex{NC})
\NR
\NC \tex{TB}
\NC
\NR
\NC \tex{NB}
\NC
\NR
\HL
\stoptabulate}

```

() . ; . , , . , „\NC ” . , ()
\NR , . , \HL . , ! . ,
ConT_EXt . \tex 10.2.3.

13.4 ,

, , \placefigure \placetable. , , ConT_EXt
\placechemical (), \placegraphic () \placeintermezzo ConT_EXt ,
. \placefloat :

\placefloat[] [] [] {} {}

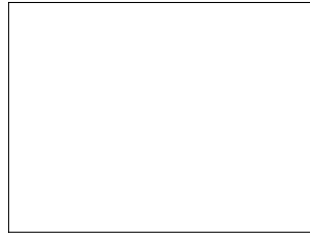
\placefloat \placefigure \placetable \placefloat .
: \placefloat[] \place. : \placefloat[figure] \placefigure ,
\placefloat[table] \placetable.

\placefloat, \placefigure \placetable, .

\placefloat :

- *Name.* . (figure, table, chemical, intermezzo) \definefloat
(13.5).
- *Options.* ConT_EXt . . .

- *Label.* .
- *Title.* . , 13.4.2.
- *Contents.* . `\externalimage`; , ; , ; .
 . () , . , : `\placefloat{}{}`



13.4



: ConT_EXt , . .

13.4.1

Options `\placefigure`, `\placetable` `\placefloat` . . , :

- (top, bottom inleft, inright, inmargin, margin, leftmargin, rightmargin, leftedge, rightedge, innermargin, inneredge, outeredge, inner, outer). . , 5.2 5.3.
- , . , left right.
- here . . force : . , .
- : „page” ; „opposite” ; „leftpage” ; „rightpage” an odd page.
 . . :
- none: .
- split: . , , . , .

13.4.2

`\placefloat` „none”, :

- . ; , , „sekvenca” „sekvenca” , „Sekvenca 1”. .

```

, , , „figure” „table” ; , „figure” „”, „table” „”.
\setuplabeltext 10.5.3.

```

- . , 3 '3.1'.

- . \placefloat.

```

\setupcaptions \setupcaption[] . , :

```

- , number, way, prefixsegments numberconversion:
 - number yes, no none .
 - way (way=bytext), (way=bychapter) (way=bysection).
 , prefixsegments.
 - prefixsegments , . prefixsegments=chapter ,
prefixsegments=section .
 - numberconversion . : („numbers”), („a”, „characters”), („A”,
„Characters”), „KA”), („I”, „R”, „Romannumerals”), („i”, „r”,
„romannumerals”) („KR”).
- . , 7.4.4 , . :
 - style, color, command.
 - : headstyle, headcolor, headcommand, headseparator.
 - : numbercommand.
 - : textcommand.
- , , , ConT_EXt .

13.4.3

, ConT_EXt , \startcombination , :

```

\startcombination[] ... \stopcombination

```

```

: , . , , , *. :

```

```

\startcombination[3*2]
{\externalfigure[test1]}
{\externalfigure[test2]}
{\externalfigure[test3]}
{\externalfigure[test4]}
{\externalfigure[test5]}
{\externalfigure[test6]}

```

`\stopcombination`

<pre> name: test1 file: test1 state: unknown </pre>	<pre> name: test3 file: test3 state: unknown </pre>	<pre> name: test5 file: test5 state: unknown </pre>
<pre> name: test2 file: test2 state: unknown </pre>	<pre> name: test4 file: test4 state: unknown </pre>	<pre> name: test6 file: test6 state: unknown </pre>

, ConT_EXt .

, `\startcombination`, .

, `\startcombination` , startframedtext , , . `\setupcombination`,
`\definecombination` .

13.4.4

`\placefloat` , . :

- . `\setupfloat[]`.
- . `\setupfloats`.

`\placefloat[figure]` `\placefigure`, `\setupfloat[figure]` `\setup-`
`figures`, `\setupfloat[table]` `\setuptables`.

, ConT_EXt (3.6).

13.5

`\definefloat` . :

`\definefloat[] [] []`

. `\setupfloat[]`.

, ConT_EXt , , , .

ConT_EXt. :

- .
- . , .
-
- , , (T_EX) .

, : , . ; , , .

ConT_EXt: (\setupfloats) : \placefloat: ConT_EXt :

1. . \definefloat, , .
2. , , : \setupfloat [] .
3. , (\placefloat), : (\placefloat []) .
4. , , . () , .

, ConT_EXt , ConT_EXt:

- .
- , .
- „title” , .
- , . .

13.3 , :

\completelistof<>	\completelist[]	\completelistoffigures
\place<>	\placefloat[]	\placefigure
\placelistof<>	\placelist[]	\placelistoffigures
\setup<>	\setupfloat[]	\setupfigure

13.3

, , 13.3: \start<>, \start<>text \startplace<>.

; , ConT_EXt, \definefloat:

```
\definefloat[chemical][chemicals]
\definefloat[figure][figures]
\definefloat[table][tables]
```



```

\definefloat[intermezzo][intermezzi]
\definefloat[graphic][graphics]

, ConTEXt ; . \placefigure \placetable . ,
\placefigure , \placetable, .

```


, ConT_EXt

T_EX (TeX Live, teTeX, MikTeX, MacTeX, .) ConT_EXt. , .
ConT_EXt; ConT_EXt Mark II Mark IV, ConT_EXt Mark IV.

; . , :

- **Unix** : Unix, GNU Linux, Mac OS, FreeBSD, OpenBSD Solaris. ;
.
- **Windows** : Windows 10 (), Windows 8, Windows 7, Windows Vista,
Windows XP, Windows NT, .

Microsoft Windows :

ConT_EXt, T_EX , ; . Windows . , Windows , , Windows ()
, . , Windows : „DOS ", „ ", „cmd", . Windows
Windows .

Windows 2004. , . ; .

1

„ConT_EXt Standalone”

ConT_EXt „Standalone”, „ConT_EXt Suite”, ConT_EXt, , , —
Standalone () — ConT_EXt , . , ConT_EXt Mark II (T_EX, pdfT_EX X_ƎT_EX), ConT_EXt Mark IV (LuaT_EX).

T_EX , [1.4.1](#); T_EX ConT_EXt, Mark II Mark IV, [1.5.1](#).

, , „ConT_EXt Standalone”. [ConT_EXt](#) , ConT_EXt
[wikibooks](#). , ().

1.1

„ConT_EXt Standalone” , :

1. ConT_EXt.
2. .

3. .
4. .

1:

, ConT_EXt . Windows . Unix . , .
 , Unix , „~/context/” Windows, „C:\Programs\context”.

2:

:

- Unix , „wget” „rsync”:

```
wget http://minimals.contextgarden.net/setup/first-setup.sh
rsync rsync://minimals.contextgarden.net/setup/first-setup.sh
```

- Windows , , . :

```
http://minimals.contextgarden.net/setup/context-setup-mswin.zip
http://minimals.contextgarden.net/setup/context-setup-win64.zip
```

, Windows .

3:

. Unix , „first-setup.sh” bash sh. Windows , „first-setup.bat”
 MS-DOS .

:

- **--context:** ConT_EXt , („-context=latest”) („-context=beta”).
 „beta”.

- **--engine:** Mark IV („-engine=luatex”,) Mark II.

- **--modules:** ConT_EXt , . , „-modules=all”.

, Mark IV, „-engine=luatex”, „-context=latest” , . , 2020. ,
 first-setup.sh , „-context=latest”, „-engine=luatex” .

(ConT_EXt): „-fonts=all” „goodies=all”. ConT_EXtgarden ,
 . (Unix Windows):

- Unix: `bash first-setup.sh --context=latest --modules=all --fonts=all --goodies=all`
- Windows: `first-setup.bat --context=latest --modules=all --fonts=all --goodies=all`

, , .

rsync . , , rsync . RSYNC_PROXY, (.bashrc). , , .
 Unix „export“, Windows , „set“ . :

```
export RSYNC_PROXY=:@:
```

, , 873 TCP . 22 ssh , 873 (nc).

```
export RSYNC_CONNECT_PROG='ssh nc %H 873'
```

" . , nc 873 TCP .

„first-setup“ , „bin“ „tex“.

4: (GNU Linux)

GNU Linux . ConT_EXt , . , „tex/setuptex“ :

```
export OSFONTDIR=~/.fonts:/usr/share/fonts:/usr/share/texmf/fonts/opentype/"
```

OSFONTDIR .

/usr/share/texmf/fonts/ T_EX ; OSFONTDIR opentype .
 ConT_EXt , OSFONTDIR , . , , /usr/local/fonts /usr/share/fonts.

, ConT_EXt . :

```
. ~/context/tex/setuptex
context --generate
context --make
```

. bash source. , source.

1.2 „ConT_EXt Standalone“

„ConT_EXt Standalone“ T_EX , ; , ConT_EXt
 , „context“, . „tex/setuptex“ (Unix) „tex/setuptex.bat“
 (Windows). :

- Unix , „context“, :

```
source ~/context/tex/setuptex
. ~/context/tex/setuptex
```

(„context“ „~/context“).

- Windows , tex\setuptex.bat ConT_EXt.

T_EX , :

- Unix („.bashrc”).

. bash (GNU Linux), .bashrc. sh ksh .profile, zsh .zshenv,
tcsh csh .cshrc . , , .bashrc .bash_profile.

- Windows cmd.exe , :

C:\WINDOWS\System32\cmd.exe /k C:\Programs\context\tex\setuptex.bat

, ConT_EXt, , ConT_EXt . , . ConT_EXt : LEd,
Notepad++, Scite, TeXnicCenter, TeXworks, vim .

1.3 „ConT_EXt Standalone”

Mark IV , „ConT_EXt Standalone” . , : „first-setup.sh” .

„ConT_EXt Standalone”, „first-setup” „--context=”, .

--.

ConT_EXt .

, , GNU Linux 4 , „”.

2 LMTX

ConT_EXt Mark IV, LuaT_EX LuaMetaT_EX, LuaT_EX ,
„ConT_EXt Standalone” LMTX. ConT_EXt. T_EX : LuaMetaT_EX. 2019.
2020. ConT_EXt [ConT_EXt](#) .

LMTX , , Mark IV, , LMTX (4 2020) \Caps . „ConT_EXt
Standalone”.

2.1

:

- **1:** LMTX, , . „context” .

- **2:** () zip [ConT_EXt](#) . :

– GNU/Linux

★ X86

▷ 32 .

▷ 64 .

★ ARM

- ▷ 32 .
- ▷ 64 .
- Microsoft Windows
 - ★ 32
 - ★ 64
- Mac OS, 64
- FreeBSD
 - ★ 32 .
 - ★ 64 .
- OpenBSD 6.6
 - ★ 32 .
 - ★ 64 .
- OpenBSD 6.7
 - ★ 32 .
 - ★ 64 .

32- 64-, – – 64-. X86 ARM, X86.

- **3:** . „bin” , „installation.pdf”, , „install.sh” (Unix) „install.bat” (Windows).
- **Step 4:** („install.sh” „install.bat”). , .
 - Unix , bash, sh. , „home” () .
 - Windows , install.bat. , , .
- **5** LMTX:

Windows , „setpath.bat” Windows LMTX . GNU Linux , FreeBSD Mac OS , ConT_EXt PATH , :

```
export PATH="/tex/texmf-/bin:$PATH
```

(, „/home/user/context”) texmf- LMTX . , 64 Linux , texmf- „texmf-linux-64” , :

```
export PATH="/home/user/context/texmf-linux-64/bin:$PATH
```

LMTX , . , . : bash, sh, zsh, ksh, tcsh, csh...
Linux , , „.bashrc”, :

```
echo 'export PATH="/home/user/context/texmf-linux-64/bin:$PATH >> .bashrc
```

: , ConT_EXt , TeX Live „ConT_EXt Standalone”. , 3.

2.2 LMTX

ConT_EXt LMTX does ConT_EXt ., ConT_EXt .
 , LMTX (install.sh install.bat) . GNU Linux .
 Windows , .

2.3 LMTX

LMTX : , .
 , ; „install.sh” „install.bat”; , , .

2.4 LMTX (GNU/Linux)

„ConT_EXt Standalone” („tex/setuptex”) , LMTX ., , ,
 „setuplmtx” „tex” . :

```
export PATH=~/.context/LMTX/tex/texmf-linux-64/bin:~/.context/LMTX/tex/texmf-linux-64/bin
echo " ~/context/LMTX/tex/texmf-linux-64/bin PATH"
export TEXROOT=~/.context/LMTX/tex
echo " ~/context/LMTX/tex TEXROOT"
export OSFONTDIR=~/.context/LMTX/tex/texmf-linux-64/bin/context
echo " "
alias lmtx=~/.context/LMTX/tex/texmf-linux-64/bin/context
echo " lmtx"
```

„LMTX, „lmtx” „context”.

„LMTX, , :

```
source ~/.context/LMTX/tex/setuplmtx
```

```
LMTX „~/.context/LMTX” „setuplmtx” „~/.context/LMTX/tex”.
```

```
LMTX „ConTEXt Standalone”. , LMTX , , OSFONTDIR, ConTEXt
```

3 ConT_EXt (Unix)

alias ConT_EXt . , ConT_EXt TeX Live LMTX; Standalone LMTX.

„LMTX 2020. , „.bashrc” ():

```
alias lmtx-01="/home/user/context/202001/tex/texmf-linux-64/bin/context"
alias lmtx-08="/home/user/context/202008/tex/texmf-linux-64/bin/context"
```

```
lmtx-01 LMTX „context/202001”, lmtx-08 „context/202008”.
```


, ; () .

. , ; . , , (, , , ,) . , , () .

, . ConT_EXt , . T_EX L^AT_EX, ConT_EXt.

L^AT_EX ('\$'). ConT_EXt, , .

©	\copyright	®	\registered	¢	\textcent
Ⓟ	\textcircledP	¤	\textcurrency	\$	\textdollar
₫	\textdong	€	\texteuro	f	\textflorin
£	\textsterling	¥	\textyen	™	\trademark

, ,

△	\triangle	○	\bigcirc	□	\square
◁	\triangleleft	◦	\circ	■	\blacksquare
▷	\triangleright	●	\bullet	◻	\boxdot
▽	\triangledown	⊗	\circledast	⊖	\boxminus
▼	\blacktriangledown	⊙	\circledcirc	⊕	\boxplus
◀	\blacktriangleleft	⊖	\circleddash	⊗	\boxtimes
▶	\blacktriangleright	⊕	\bigoplus	*	\ast
▲	\blacktriangle	⊗	\bigotimes	✠	\maltese
≐	\triangleq	⊕	\oplus	★	\star
◇	\diamond	⊖	\ominus	♣	\clubsuit
◊	\lozenge	⊗	\otimes	♥	\heartsuit
◆	\blacklozenge	⌚	\oslash	♠	\spadesuit
◇	\diamondsuit	⊙	\odot	∅	\varnothing

:

←	\leftarrow, \gets	→	\rightarrow, \to	↔	\leftrightarrow
↵	\nleftarrow	↶	\nrightarrow	⇔	\Leftrightarrow

\geqslant	<code>\geqslant</code>	\gg	<code>\gg</code>	\ggg	<code>\ggg</code>
\gtrapprox	<code>\gtrapprox</code>	\gneq	<code>\gneq</code>	\gnsim	<code>\gnsim</code>
\gtrdot	<code>\gtrdot</code>	\gtrless	<code>\gtrless</code>	\gtrsim	<code>\gtrsim</code>
\gtrless	<code>\gtrless</code>	\gtrsim	<code>\gtrsim</code>	\gtrsim	<code>\gtrsim</code>
\hbar	<code>\hbar</code>	\heartsuit	<code>\heartsuit</code>	\hslash	<code>\hslash</code>
\iiint	<code>\iiint</code>	\Im	<code>\Im</code>	\imath	<code>\imath</code>
\in	<code>\in</code>	∞	<code>\infty</code>	\int	<code>\int</code>
\intercal	<code>\intercal</code>	\jmath	<code>\jmath</code>	\land	<code>\land</code>
\leftthreetimes	<code>\leftthreetimes</code>	\leq	<code>\leq</code>	\leqq	<code>\leqq</code>
\leqslant	<code>\leqslant</code>	\lessapprox	<code>\lessapprox</code>	\lessdot	<code>\lessdot</code>
\lesseqgtr	<code>\lesseqgtr</code>	\lesseqqgtr	<code>\lesseqqgtr</code>	\lessgtr	<code>\lessgtr</code>
\lesssim	<code>\lesssim</code>	\ll	<code>\ll</code>	\lll	<code>\lll</code>
\lnapprox	<code>\lnapprox</code>	\lneq	<code>\lneq</code>	\lneqq	<code>\lneqq</code>
\lnsim	<code>\lnsim</code>	\lor	<code>\lor</code>	\ltimes	<code>\ltimes</code>
\measuredangle	<code>\measuredangle</code>	\models	<code>\models</code>	\mp	<code>\mp</code>
\multimap	<code>\multimap</code>	\nVDash	<code>\nVDash</code>	∇	<code>\nabla</code>
\natural	<code>\natural</code>	\ncong	<code>\ncong</code>	\neq	<code>\neq</code>
$\neg \circ \nmid$	<code>\neg \circ \nmid</code>	\nexists	<code>\nexists</code>	\ngeq	<code>\ngeq</code>
\ngtr	<code>\ngtr</code>	\ni	<code>\ni</code>	\nleq	<code>\nleq</code>
\nless	<code>\nless</code>	\nmid	<code>\nmid</code>	$\not\approx$	<code>\not\approx</code>
$\not\equiv$	<code>\not\equiv</code>	$\not\sim$	<code>\not\sim</code>	$\not\sim$	<code>\not\sim</code>
\notin	<code>\notin</code>	\nparallel	<code>\nparallel</code>	\nprec	<code>\nprec</code>
\nsim	<code>\nsim</code>	\nsubseteq	<code>\nsubseteq</code>	\nsucc	<code>\nsucc</code>
\nsubseteq	<code>\nsubseteq</code>	\ntriangleleft	<code>\ntriangleleft</code>	\ntrianglelefteq	<code>\ntrianglelefteq</code>
\ntriangleright	<code>\ntriangleright</code>	\ntrianglerighteq	<code>\ntrianglerighteq</code>	\nvDash	<code>\nvDash</code>
\nvDash	<code>\nvDash</code>	\oint	<code>\oint</code>	\parallel	<code>\parallel</code>
∂	<code>\partial</code>	\perp	<code>\perp</code>	\permil	<code>\permil</code>
\pm	<code>\pm</code>	\prec	<code>\prec</code>	\preccurlyeq	<code>\preccurlyeq</code>
\preceq	<code>\preceq</code>	\precnsim	<code>\precnsim</code>	\precsim	<code>\precsim</code>
\prime	<code>\prime</code>	\prod	<code>\prod</code>	\propto	<code>\propto</code>
\Re	<code>\Re</code>	\rightthreetimes	<code>\rightthreetimes</code>	\risingdotseq	<code>\risingdotseq</code>
\rtimes	<code>\rtimes</code>	\sharp	<code>\sharp</code>	\sim	<code>\sim</code>
\simeq	<code>\simeq</code>	\smile	<code>\smile</code>	\sphericalangle	<code>\sphericalangle</code>
\sqcap	<code>\sqcap</code>	\sqcup	<code>\sqcup</code>	\sqsubset	<code>\sqsubset</code>
\sqsubseteq	<code>\sqsubseteq</code>	\sqsupset	<code>\sqsupset</code>	\sqsupseteq	<code>\sqsupseteq</code>
\subset	<code>\subset</code>	\Subset	<code>\Subset</code>	\subseteq	<code>\subseteq</code>
\subsetneq	<code>\subsetneq</code>	\succ	<code>\succ</code>	\succcurlyeq	<code>\succcurlyeq</code>
\succeq	<code>\succeq</code>	\succnsim	<code>\succnsim</code>	\succsim	<code>\succsim</code>
\sum	<code>\sum</code>	\supset	<code>\supset</code>	\Supset	<code>\Supset</code>
\supseteq	<code>\supseteq</code>	\supsetneq	<code>\supsetneq</code>	\surd	<code>\surd</code>
pm	<code>\text{pm}</code>	\times	<code>\times</code>	\top	<code>\top</code>
\triangle	<code>\triangle</code>	\uplus	<code>\uplus</code>	\vDash	<code>\vDash</code>
\Vdash	<code>\Vdash</code>	$\vee \circ \lor$	<code>\vee \circ \lor</code>	\veebar	<code>\veebar</code>
\Vdash	<code>\Vdash</code>	\Vdash	<code>\Vdash</code>	\wedge	<code>\wedge</code>
\wp	<code>\wp</code>	\wr	<code>\wr</code>		

¶	<code>\P</code>	§	<code>\S</code>	°C	<code>\celsius</code>
✓	<code>\checkmark</code>	Ω	<code>\mho</code>	Ω	<code>\ohm</code>
°	<code>\textdegree</code>	№	<code>\textnumero</code>	□	<code>\textvisiblespace</code>

- , , .
- :
- \stop \start, \stop , \start .
- , .
- , , .

* * *

\{ 24	\adaptpapersize 49
\} 24	\adiaeresis 104
\\$ 24	\ae 105
\# 24	\aeligature 105
\% 24	\agrave 104
\& 24	\alpha 106
_ 24	\amacron 104
\backslash 24	\aring 105
\letterhat 24	\at 96
\lettertilde 24	\atilde 104
\| 24	\atleftmargin 58
	\atpage 98
	\atrightrightmargin 58

T

\TB 155
\TeX 11, 12

a

\aa 105
\aacute 104
\about 96
\abreve 104
\acircumflex 104
\adaptlayout 52

b

\backslash 24
\\ 124

C

\Cap 110

b

\begingroup 33, 34
\beta 106
\bf 64

`\bfa` 65
`\bfb` 65
`\bfc` 65
`\bfd` 65
`\bfx` 65
`\bfix` 65
`\bgroup` 33, 34
`\bi` 64
`\bia` 65
`\bib` 65
`\bic` 65
`\bid` 65
`\bigbodyfont` 66
`\bix` 65
`\bixx` 65
`\blank` 39, 121
`\bold` 64
`\bolditalic` 64
`\boldslanted` 64
`\break` 124
`\bs` 64
`\bsa` 65
`\bsb` 65
`\bsc` 65
`\bsd` 65
`\bsx` 65
`\bsxx` 65
`\buildmathaccent` 107
`\buildtextaccent` 107
`\buildtextbottomcomma` 107
`\buildtextbottomdot` 107
`\buildtextcedilla` 107
`\buildtextgrave` 107
`\buildtextmacron` 107
`\buildtexttognek` 107

c

`\c` 105
`\ca` 114
`\calligraphic` 64
`\cap` 110
`\ccedilla` 105
`\cf` 64

`\chapter` 74
`\chi` 106
`\clip` 152
`\clubpenalty` 129
`\color` 69
`\colored` 69
`\completecontent` 83
`\completelist` 89
`\completelistofchemicals` 90
`\completelistoffigures` 90, 151
`\completelistofgraphics` 90
`\completelistofintermezzi` 90
`\completelistoftables` 90, 153
`\completindex` 92
`\crlf` 124
`\currentdate` 116

d

`\date` 116
`\de` 114
`\define` 31
`\definealternativestyle` 67
`\defineblank` 121
`\definebodyfontenvironment` 65
`\definebodyfontswitch` 67
`\definecapitals` 110
`\definecharacter` 106
`\definecharacterkerning` 113
`\definecolor` 71
`\definecombination` 159
`\definecombinedlist` 90
`\defineconversionset` 54
`\definedelimitedtext` 118
`\definedescription` 142
`\defineenumeration` 143
`\definefloat` 159
`\definefontfeature` 105
`\definefontstyle` 67
`\defineframed` 146
`\defineframedtext` 146
`\definehead` 80
`\defineinterlinespace` 125
`\defineitemgroup` 142

`\defineitems` 142
`\definelayout` 53
`\definelinenumbering` 127
`\definelines` 126
`\definelist` 89
`\definemargindata` 59
`\definennarrower` 120
`\definernote` 132
`\definepapersize` 48
`\defineparagraphs` 136
`\defineregister` 93
`\definesectionblock` 82
`\definestartstop` 32
`\definestretched` 113
`\definesymbol` 138
`\definetext` 57
`\definetype` 111
`\definetyping` 111
`\delta` 106
`\dontleavehmode` 64

e

`\eacute` 104
`\ebreve` 104
`\ecircumflex` 104
`\ediaeresis` 104
`\egrave` 104
`\egroup` 33, 34
`\em` 68
`\emacron` 104
`\emdash` 40
`\en` 114
`\enableregime` 37
`\endash` 40
`\endgraf` 119
`\endgroup` 34
`\endnote` 131
`\enskip` 113
`\environment` 43
`\epsilon` 106
`\es` 114
`\eta` 106
`\etilde` 104

`\externalfigure` 148

f

`\fillinline` 145
`\footnote` 131
`\fr` 114
`\framed` 146
`\from` 101

H

`\H` 105

g

`\gamma` 106
`\getbuffer` 146
`\getmarking` 57

H

`\HL` 155

g

`\godown` 122
`\goto` 101

h

`\hairline` 144
`\handwritten` 64
`\hbox` 124
`\head` 139
`\hfill` 113
`\high` 111
`\hl` 144
`\hskip` 113
`\hw` 64
`\hyphen` 40
`\hyphenatedurl` 100
`\hyphenatedurlseparator` 101
`\hyphenation` 124

i

`\i` 105
`\iacute` 104
`\ibreve` 104

`\icircumflex` 104
`\idiaeresis` 104
`\igrave` 104
`\imacron` 104
`\in` 96
`\index` 91
`\inframed` 146
`\inner` 58
`\inneredge` 58
`\innermargin` 58
`\inleft` 58
`\inleftedge` 58
`\inleftmargin` 58
`\inmargin` 58
`\inother` 58
`\inouter` 58
`\inouteredge` 58
`\inoutermargin` 58
`\input` 41
`\inright` 58
`\inrightedge` 58
`\inrightmargin` 58
`\iota` 106
`\it` 64
`\ita` 65
`\italic` 64
`\italicbold` 64
`\itb` 65
`\itc` 65
`\itd` 65
`\item` 138
`\items` 141
`\itilde` 104
`\its` 139
`\itx` 65
`\itxx` 65

j

`\j` 105

k

`\kappa` 106
`\kcedilla` 105

l

`\l` 105
`\labeltext` 116
`\lambda` 106
`\language` 114
`\lastpagenumber` 55
`\lastrealpagenumber` 55
`\lastuserpagenumber` 55
`\lcedilla` 105
`\leftaligned` 128
`\letterbackslash` 101
`\letterescape` 101
`\letterhash` 101
`\letterhat` 24
`\letterpercent` 101
`\lettertilde` 24
`\linenote` 130
`\loadinstalledlanguages` 114
`\lohi` 111
`\low` 111

N

`\NB` 155

m

`\mainlanguage` 114
`\mar` 139
`\margintext` 58

N

`\NC` 155

m

`\mediaeval` 64
`\midaligned` 128
`\minus` 40
`\mirror` 152

N

`\NN` 155

m

`\mono` 64

`\month` 116

N

`\NR` 155

m

`\mu` 106

n

`\ncedilla` 105

`\noheaderandfooterlines` 57

`\noindentation` 120

`\nolist` 75, 76

`\nomarking` 75, 76

`\normal` 64

`\note` 131

`\notesenabledfalse` 134

`\notesenabledtrue` 134

`\nowhitespace` 121

`\nu` 106

o

`\o` 105

`\oacute` 104

`\obreve` 104

`\ocircumflex` 104

`\odiaeresis` 104

`\oe` 105

`\oeligature` 105

`\ograve` 104

`\omacron` 104

`\omega` 106

`\omicron` 106

`\os` 64

`\otilde` 104

`\overbar` 145

`\overbars` 145

`\overstrike` 145

`\overstrikes` 145

p

`\page` 55

`\pagenumber` 55, 57

`\pagereference` 95

`\par` 119

`\parindent` 35

`\parskip` 35

`\part` 74

`\phi` 106

`\pi` 106

`\placebookmarks` 101

`\placechemical` 156

`\placecontent` 83

`\placefigure` 150

`\placefloat` 156

`\placegraphic` 156

`\placeindex` 92

`\placeintermezzo` 156

`\placelist` 89

`\placelistofchemicals` 90

`\placelistoffigures` 90, 151

`\placelistofgraphics` 90

`\placelistofintermezzi` 90

`\placelistoftables` 90, 153

`\placelocalfootnotes` 132

`\placenotes` 132

`\placetable` 153

`\pretolerance` 124

`\product` 44

`\project` 44, 45

`\psi` 106

R

`\ReadFile` 42

q

`\qqquad` 113

`\quad` 113

`\quotation` 117

`\quote` 117

r

`\r` 105

`\ran` 139

`\rcedilla` 105

`\readfile` 42

<code>\realpagenumber</code> 55	<code>\setupenumeration</code> 144
<code>\ref</code> 97	<code>\setupexternalfigures</code> 151
<code>\reference</code> 95	<code>\setupfillinlines</code> 145
<code>\regular</code> 64	<code>\setupfloat</code> 159
<code>\rho</code> 106	<code>\setupfloats</code> 159
<code>\rightaligned</code> 128	<code>\setupfooter</code> 57
<code>\rm</code> 64	<code>\setupfootertexts</code> 56, 58
<code>\rma</code> 65	<code>\setupfootnotes</code> 133
<code>\rmb</code> 65	<code>\setupframed</code> 146
<code>\rmc</code> 65	<code>\setupframedtext</code> 146
<code>\rmd</code> 65	<code>\setuphead</code> 75
<code>\rmx</code> 65	<code>\setupheader</code> 57
<code>\rmxx</code> 65	<code>\setupheadertexts</code> 56, 58
<code>\roman</code> 64	<code>\setupheadnumber</code> 77
<code>\rotate</code> 152	<code>\setupheads</code> 75
	<code>\setupheadtext</code> 84
s	<code>\setuphyphenmark</code> 114
<code>\sans</code> 64	<code>\setupindenting</code> 119
<code>\sansserif</code> 64	<code>\setupinteraction</code> 98
<code>\sc</code> 64	<code>\setupinterlinespace</code> 125
<code>\scedilla</code> 105	<code>\setuplabeltext</code> 116
<code>\section</code> 74	<code>\setuplanguage</code> 115
<code>\seeindex</code> 92	<code>\setuplayout</code> 51
<code>\serif</code> 64	<code>\setuplinenote</code> 130
<code>\sethyphenatedurlafter</code> 100	<code>\setuplinenumbers</code> 127
<code>\sethyphenatedurlbefore</code> 100	<code>\setuplines</code> 126
<code>\sethyphenatedurlnormal</code> 100	<code>\setuplist</code> 86
<code>\setupalign</code> 127	<code>\setupmargindata</code> 59
<code>\setuparranging</code> 52	<code>\setupnarrower</code> 120
<code>\setupbackgrounds</code> 69	<code>\setupnotation</code> 132
<code>\setupblank</code> 121	<code>\setupnotations</code> 133
<code>\setupbodyfont</code> 62, 63	<code>\setupnote</code> 132
<code>\setupbottomtexts</code> 58	<code>\setupnotes</code> 133
<code>\setupcapitals</code> 110	<code>\setuppagenumbering</code> 53
<code>\setupcaption</code> 158	<code>\setuppapersize</code> 47
<code>\setupcaptions</code> 158	<code>\setupparagraphs</code> 136
<code>\setupcharacterkerning</code> 113	<code>\setupregister</code> 92, 93
<code>\setupcolors</code> 69	<code>\setupsectionblock</code> 81
<code>\setupcolumns</code> 135	<code>\setupspacing</code> 112
<code>\setupcombinedlist</code> 84	<code>\setupstretched</code> 113
<code>\setupcounter</code> 132	<code>\setuptables</code> 153
<code>\setupdescription</code> 142	<code>\setuptextrule</code> 145
<code>\setupendnotes</code> 133	<code>\setuptolerance</code> 124, 128

<code>\setuptoptexts</code>	58	<code>\startTEXpage</code>	49
<code>\setuptype</code>	111	<code>\startalignment</code>	128
<code>\setuptyping</code>	111	<code>\startappendices</code>	81
<code>\setupurl</code>	100	<code>\startbackmatter</code>	81
<code>\setupuserpagenumber</code>	53	<code>\startbodymatter</code>	81
<code>\setupwhitespace</code>	120	<code>\startbuffer</code>	146
<code>\showbodyfontenvironment</code>	66	<code>\startchapter</code>	74
<code>\showcolor</code>	70	<code>\startchemical</code>	146
<code>\showcolorcomponents</code>	71	<code>\startcolor</code>	70
<code>\showfont</code>	63	<code>\startcolumns</code>	135
<code>\showframe</code>	50	<code>\startcombination</code>	146, 158
<code>\showinstalledlanguages</code>	114	<code>\startcomponent</code>	44
<code>\showlayout</code>	50	<code>\startenvironment</code>	43
<code>\showsetups</code>	50	<code>\startfiguretext</code>	151
<code>\showsymbolset</code>	108	<code>\startformula</code>	146
<code>\sigma</code>	106	<code>\startframedtext</code>	146
<code>\sl</code>	64	<code>\startfrontmatter</code>	81
<code>\sla</code>	65	<code>\starthiding</code>	146
<code>\slanted</code>	64	<code>\startitem</code>	138
<code>\slantedbold</code>	64	<code>\startitemize</code>	138
<code>\slb</code>	65	<code>\startlegend</code>	146
<code>\slc</code>	65	<code>\startlinecorrection</code>	147
<code>\sld</code>	65	<code>\startlinenumbering</code>	127
<code>\slx</code>	65	<code>\startlines</code>	126
<code>\slxx</code>	65	<code>\startlocalfootnotes</code>	132
<code>\smalcaps</code>	64	<code>\startMPpage</code>	49
<code>\smallbodyfont</code>	66	<code>\startmode</code>	147
<code>\smallbold</code>	66	<code>\startnarrower</code>	120
<code>\smallbolditalic</code>	66	<code>\startnotmode</code>	147
<code>\smallboldslanted</code>	66	<code>\startopposite</code>	147
<code>\smallitalicbold</code>	66	<code>\startpacked</code>	121
<code>\smallslanted</code>	66	<code>\startpagefigure</code>	49
<code>\smallslantedbold</code>	66	<code>\startpart</code>	74
<code>\somewhere</code>	97	<code>\startproduct</code>	44
<code>\space</code>	113	<code>\startproject</code>	44
<code>\ss</code>	64, 105	<code>\startquotation</code>	147
<code>\ssa</code>	65	<code>\startsection</code>	74
<code>\ssb</code>	65	<code>\startsetups</code>	32
<code>\ssc</code>	65	<code>\startstandardmakeup</code>	147
<code>\ssd</code>	65	<code>\startsubject</code>	74
<code>\ssx</code>	65	<code>\startsubsection</code>	74
<code>\ssxx</code>	65	<code>\startsubsubsection</code>	74
<code>\start</code>	33	<code>\startsubsubsubject</code>	74

`\startsubsubsubsection` 74
`\startsubsubsubsubject` 74
`\starttabulate` 153
`\starttext` 40
`\starttextrule` 145
`\starttitle` 74
`\starttyping` 111
`\stop` 34
`\stoptext` 40
`\stretched` 112
`\structureuservariable` 75
`\sub` 139
`\subject` 74
`\subsection` 74
`\subsubject` 74
`\subsubsection` 74
`\subsubsubject` 74
`\subsubsubsubsection` 74
`\subsubsubsubsubject` 74
`\support` 64
`\switchtobodyfont` 63
`\sym` 139
`\symbol` 109

t

`\tau` 106
`\tcedilla` 105
`\teletype` 64
`\tex` 111
`\textheight` 52
`\textreference` 95
`\textrule` 145
`\sq` 113
`\textwidth` 52
`\tf` 64
`\tfa` 65
`\tfb` 65
`\tfc` 65
`\tfd` 65
`\tfx` 65
`\tfxx` 65
`\theta` 106
`\thinrule` 144

`\thinrules` 144
`\title` 74
`\tolerance` 124
`\translate` 117
`\tt` 64
`\tta` 65
`\ttb` 65
`\ttc` 65
`\ttd` 65
`\ttx` 65
`\ttxx` 65
`\tx` 65
`\txx` 65
`\typ` 111
`\type` 111

u

`\u` 104
`\uacute` 104
`\ubreve` 104
`\ucircumflex` 104
`\udiaeresis` 104
`\ugrave` 104

V

`\VL` 155

u

`\umacron` 104
`\underbar` 145
`\underbars` 145
`\unhyphenated` 124
`\upsilon` 106
`\usecolors` 70
`\useexternalfigure` 149
`\usemodule` 114
`\useregime` 38
`\userpagenumber` 55
`\usesymbols` 108
`\useURL` 99
`\utilde` 104

v`\varepsilon` 106`\varkappa` 106`\varphi` 106`\varpi` 106`\varrho` 106`\varsigma` 106`\vartheta` 106`\vbox` 56`\vfill` 122`\vl` 144**W**`\WORD` 110`\WORDS` 110`\Word` 110`\Words` 110**v**`\vskip` 122**w**`\whitespace` 121`\widowpenalty` 129`\word` 110`\wordright` 128`\writebetweenlist` 88`\writetolist` 87**x**`\xi` 106**z**`\zeta` 106