ConTEXt Mark IV

ConTEXt Mark IV

1.6 [2. 2021]

Ⓒ 2020-2021, Joaquín Ataz-López

: Una introducción (no demasiado breve) a ConTEXt 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: , . .

*

, ConT_EXt, T_EX, , 1977. 1982. E. .

ConT_EXt – . , , , , , . , ConT_EXt .
, , „”. , . T_EX (ConT_EXt):

— , — . *T_EX* ; , , .

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

ConT_EXt, . ConT_EXt – „ConT_EXt Standalone"[2] – , 180 PDF
(,) , ; Pragma ADE (ConT_EXt) (2020.) 224 ,
„ConT_EXt Standalone" . , ConT_EXt , , , . 56 PDF „ConT_EXt
Standalone" „", ConT_EXt. „ConT_EXt Mark IV, an Excursion". , ,
, ConT_EXt. . , ConT_EXt „Excursion" .

2001. Pragma ADE ; , , ( ) ConT_EXt (Mark II), .

2013. , ConT_EXt Mark II ConT_EXt Mark IV ( ), .
„ConT_EXt Standalone". , ConT_EXt „ConT_EXt Mark IV, an
Excursion". ConT_EXt , , , Mark II Mark IV .
ConT_EXt [3] .

, : ConT_EXt „Excursion", 2013. , , , ; , , . . , ,
„ ConT_EXt Mark IV" „ ConT_EXt Mark IV". , , , ConT_EXt;
( ) , . ConT_EXt .

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

. , , .

ConT_EXt, , , , . , .

---

* / ConT_EXt „The T_EXBook", *T_EX*. ; , , , .
2 , ; 2020 , ConT_EXt „" ConT_EXt LMTX. , ConT_EXt , „ConT_EXt Standalone" . .
3 3.6.

, , , . , , , joaquin@ataz.org. , ,

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

. ,". [1] : , [2] , .

, TEX ConTEXt, TEX LATEX (TEX) ConTEXt. ,
, . , , ConTEXt, .

ConTEXt ; , ," , , , , ...

, ConTEXt , . . ConTEXt,
, , , , .

ConTEXt TEX, ConTEXt TEX; , , ConTEXt
, TEX; , , TEX.

, :

- , , ConTEXt, , ConTEXt ConTEXt .

  , . ; TEX LATEX, 3 4. , :

  – ConTEXt (3), , , LATEX ConTEXt. , ,
    LATEX , ConTEXt .

  – ConTEXt (4), TEX.

- , 5 9, ConTEXt :

  – , . 5 6 .

    ★ :, , ( ) . , .

    ★ 6 . , , .

  – 7 8 ConTEXt . 7 ( ), 8 ; ConTEXt,
    ConTEXt ,".

  – , 9 , ( ) ( ). , () . ( ) ,
    ConTEXt .

    , 8, 7. , , . , .

- , (10) . , , ( ). ConTEXt, ; , ConTEXt
  , :

---

[1] , (https://es.dreamstime.com/), .
[2] (https://www.freepik.es/) .

- 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, . , . . .

-
2020

I
ConTEXt

1

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

 (, , , , …)   .   ;   . ,   ,   . ,   , .   .   –   „ " – ,   . ,   ,   ,   , .   .   .

  – ,   – ,   ,   . ; , ,   : (, , …),   ,   ,   . , ,   –   , , , , , .   „ " „ ".

, ,   . , XIX   ,   ;   ,   .

                . ,   . ,   , ,   , , , .   ,   .

   [1]   . , , , , , ,   . ,   , ,   ,   . ,   ConT_EXt
;   , ,   .   .

1.3

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

,   .   ,   ,   .

, , ,   .   . HTML   ,   . HTML   . HTML
            ,   , „HTML ",   . HTML   ;   ,   XML,   *par excellence*,   :
, , , , .   (SVG, TikZ MetaPost), (MathML), (Lilypond MusicXML),
, , .   ,   T_EX   .

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

1.4 T_EX

T_EX   70   . , ( )   .   . T_EX,   MetaFont,   *Computer*
Modern, , ,   ,   „ "[2]   .   T_EX, , , , ,   ,   .   ,   .

, T_EX   . T_EX, :   ,   , ( )   , ,   ,   ,   …   .   .
T_EX   65.536   ,   .   T_EX   0,000005356 .

T_EX   , (TÉΧΝΗ). ,   T_EX   'X',   ",   „". , T_EX   . ,   „"   „",
            .   −   − „   T_EX   .   ,   ".

      , T_EX   :

*   ,   :   , 'E'   ,   'T' 'X';   words: „T_EX".

                    ,   T_EX   : `\TeX`.

*   (,   ),   'T' 'X'   ,   'e'   ;   :   „TeX".

                    T_EX   ,   ConT_EXt.   „ConTeXt".

---

[1]   ,   .   ,   .
[2]   ,   ,   ,   ,   (   ).

1.4.1 TEX

TEX *libre* : ô , , „TEX”. , *TEX* . TEX , ,
, pdfTEX, ε-TEX, XᴇTEX LuaTEX. . , , LuaTEX , , , , .

TEX TEX . ConTEXt Mark IV LuaTeX. , ConTEXt , TEX Mark II (
PdfTeX XeTeX) Mark IV (LuaTeX).

1.4.2 TEX

TEX 300 , , . , , „ 0,000725 ”. TEX ,
, . , , . , TEX (\TeX) , :

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

„\TeX” .

, TEX . , , , . .

TEX . , 600 , 300 , „Plain TEX”. TEX Plain TEX,
TEX, Plain TEX. TEX („*The TEXBook*”), Plain TEX; TEX
Plain TEX.

Plain TEX TEX , , . Plain TEX , LᴬTEX, TEX 1985.
TEX , . ConTEXt ( ), LᴬTEX, TEX.

„tex” ( ) . TEX, , , , . TEX, TEX .

1.5 ConTEXt

ConTEXt TEX , . ConTEXt :

1. TEX . Plain TEX 900 , ConTEXt 3500; , 4000 . ConTEXt
   .

   , – . , ConTEXt : \bi, \italicbold \bolditalic.

2. MetaPost, MetaFont, TEX.

3. Pᴇʀʟ (), Rᴜʙʏ (,) Lᴜᴀ ().

4. TEX, MetaPost, Lᴜᴀ XML, , .

? . . ConTEXt, . ConTEXt .

ConTEXt „ ” . ConTEXt .

ConTEXt TEX , TEX, , , .

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

1.5.1 ConT_EXt

ConTEXt 1991. . „*Pragma Advanced Document Engineering*”,
Pragma ADE. TEX *Pragmatex*, . ConTEXt
. . 1994. , 1996., , „ConTEXt”. „ TEX” ('con'
''), ( ) „”. , „TEX”, „text” „context”.

, , ConTEXt '' '', .

2005. , ConTEXt Mark II, 'II' 'I', . , , ,
, , . , „” ConTEXt , .

, ConTEXt Mark II pdfTEX *TEX* . , X∃TEX , ConTEXt Mark II
pdfTEX. LuaTEX, ConTEXt . ConTEXt Mark IV, 2007. ,
LuaTEX . ConTEXt LuaTEX ConTEXt, , LuaTEX.
ConTEXt Mark IV LuaTEX . ConTEXt LuaTEX TEX;
LuaTEX ConTEXt.

Mark II Mark IV, , , , : . , . , , , , .
( ) Mark II Mark IV. , ConTEXt , ConTEXt ( ). Mark II Mark IV;
, Mark II. .

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

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

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

, „context” „texexec”, Lua „mtxrun”.

Mark II , Mark IV , Mark II , Mark IV ; , „” ,
, . , – , „ConTEXt Standalone” – („ConTEXt
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^AT_EX

L^AT_EX   TEX,   ConTEXt.   ,   TEX ;   , ,   :   ()
.   , L^AT_EX ConTEXt   ,   . L^AT_EX   TEX,   ,   L^AT_EX .
TEX   TEX   . , ConTEXt   . ,   ,   . , ConTEXt
,   TEX   L^AT_EX.

. L^AT_EX   ,   TEX.   ,   .   ,   . L^AT_EX   : ,
L^AT_EX,   ,   ,   ;   ,   . L^AT_EX   ,   .

L^AT_EX ,   , ConTEXt   –   –   TEX,   ,   . ConTEXt   ,   ,
,   .

ConTEXt   ,   L^AT_EX ,   : ConTEXt   ,   ,   ,
ConTEXt .

.   .   ,   ,   L^AT_EX;   ,   ,   ,   ,
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,   .

<div style="text-align: right">

2

</div>

: **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 LATEX 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 (LATEX) , 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.mkxl
   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" ; ConTEXt . , , (odmor.log odmor.tuc). , .

, :

- ConTEXt , , „context", „command unknown".
- UTF-8 , .
- ConTEXt Mark II. UTF-8 . , Mark IV, Mark II: „ConTEXt Standalone".
- .

„context" , , , CTRL-X ConTEXt .

, .

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, хајдемо у Мексико.

2.1 ...

2.1 „odmor.pdf". ConTEXt , . ConTEXt , (\mainlanguage[sr]).

: ConTEXt . , , , .

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

ConTEXt . :

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 >>  \startext  %
 15
 16     \startchapter
 17       [title= …]
 18
 19     , ,    .
 20     , ,     .
 21        ,    .
 22        ,   !
 23     , ,    .
 24

mtx-context     | fatal error: return code: 256
```

2.2

,   „odmor.tex",   \starttext \startext ('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>
    \startext
     %
```

    :   „odmor.log"   .   ,   ,   . '|' .

    ,   (14)   : „Undefined control sequence", ,   :   ,   .   14,   .
      \startext.   ,   „startext" „startext" ('t').

          ,   .   „startext"   „starttext".   ,   .   .

.   ,   . ,   „.log"   „tex error",   .   ,   . ,   .

„.log"   ,   , ,   .   \stoptext.   ConTEXt   .,   \stoptext   ,
,   ;   ,   ,   ,   … ,   ,   \stoptext,   . ,   ,   ,   ,
.   .   ,   .

,   ConTEXt   ,   ,   ,   ,   .   .

3

ConTEXt

, , ConTEXt . „", „" „".

ConTEXt (TEX), . . , . ConTEXt , , . , . :
. , ConTEXt , . , .

ConTEXt ; . , TEX, , . .

ConTEXt , .

3.1 ConTEXt

ConTEXt , , . ConTEXt . , ConTEXt , 11 .

11 ? . 11 ; , „\", , . ConTEXt 3000 (Mark II, Mark IV).

:

\ % { } # ~ | $ _ ^ &

ConTEXt :

\ : . „ (Escape) " „" („Esc").[1]

%   ConTEXt   .   .   ,   ,   ;
        .   ,   ,   ;   ,   ;   ,   ,   … .
                  ,   .   .

{   .   .   3.8.1.

}   {.

.   .   3.7.1 .

~   ,   ~   .   11.3.1.

| ,   .   10.4.

$.   ,   .   , ConTEXt   ,   .   ConTEXt,   . ,   !

_   . , x_1,   `$x_1$`.

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

&   ConTEXt   ,   . Plain TEX   :   ,   .   „ConTEXt
        Mark IV, an Excursion",   ,   ,   Plain TEX,   . ,   .

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

\	`\backslash`
%	`\%`
{	`\{`
}	`\}`
#	`\#`
~	`\lettertilde`
|	`|`
$	`\$`
_	`\_`
^	`\letterhat`
&	`\&`

3.1

`\type`.   ,   .   `\type`   .

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

        ,   ,   ,   :

1. , .

2. . „~" „%"; , „~" , ; , „%" . „\" ConTEXt . , „\" .

3. : (_ ^ &): , .

. ConTEXt ; , ; , , LATEX.

3.2

„\". , :

· · („\") , „\," „\1", „\'" „\%". , , , , . ( ), ⊔ . , , „\⊔" ( ) , .

„" . , „The TEXBook" „⊔ ⊔". , , „1⊔ ⊔2".

· · , . ; , . . ConTEXt , `\mojakomanda` `\MojaKomanda` . `\MojaKomanda1` `\MojaKomanda2` , '1' '2' , .

ConTEXt , „" „ConTEXt Standalone". TEX (, , „"). .

ConTEXt („\"), . . , . , , ConTEXt , . .

„-" , , , ConTEXt . ConTEXt , , . ,

`\TeX    \ConTeXt.`
`\TeX,    ,    \ConTeXt`

:

TEX ConTEXt.
TEX, , ConTEXt.[1]

„TEX" , . „-" `\TeX` , ConTEXt , , , .

, , ,

`\TeX⊔ ⊔    \ConTeXt`[2].

, ConTEXt ( ) . , ( ) „-" . :

---

[1] : , : ô ; ô ConTEXt , .

[2] „⊔", 25.

- „{}". „{", , , „}" , „{}" . , ConTEXt . ,
  „{\TeX}". , „-" \TeX .

- „\␣" (, 25). . ConTEXt, ConTEXt (\TeX)
  (. „\␣"):

  - ConTEXt \ 'T' , „-", . \ .
  - \TeX, TEX . .
  - , . „-", , . .
  - , ( ) .

  , . , , , . , .

  , (TEX) „-" . , :

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

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

  '' \define , ConTEXt .

3.3

3.3.1

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

(3.8.1), . , , . . ,

`{\it The \TeX Book}, {\sc }`	*The TEXBook,* TEX.
`\TeX.`	

, \it () \sc () .

, , . . \framed: ,

```
\framed{  }
```

☐

( ) , . . , , , , , .

\framed ,   –   . ,   . , ,   \it \color :   ( ).   ,   .

3.3.2

()

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

ConTeXt .   „start … stop”. ,   LaTeX   ,   ConTeXt „”   (
4.6   ). ,   ,   ,   .

, ,   ,   .   ,   [1] ,   ,   .   „.log”   ;
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   LaTeX,   .

`\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]
  {}
```

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

,   (3.5).

3.4.2

(`\setupNesto`)

.   ,   ,   ,   .   `\setup`,   .

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

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

`\framed`   3   1 ,   .

300 ConT_EXt   .   (`\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 ,

. ConTEXt

- „\".

- .

- .

- .

, \buildtextcedilla (– 'ç'), : .

- , . .

. :

- .

- , :

  - (ConTEXt), , , .

  - . (3.6) .

    ★ , , . .

    ★ , , . .

    . ( ) . .

- , ConTEXt . ,

  `\komanda[Opcija, Opcija2, ...]`

  `\komanda[Promenljiva1=vrednost, Promenljiva2=vrednost, ...]`

  :

  `\komanda[Opcija1, Promenljiva1=vrednost, ...]`

3.6 ConTEXt

ConTEXt , . „setup-en.pdf" ConTEXt.
„tex/texmf-context/doc/context/documents/general/qrcs".

„qrc", ConTEXt : , , , , , . : „setup-" ( ), „setup-mapping-".
, .

ConTEXt, ; , ( ) + setup + define. , \blank,
\setupblank , , (\defineblank).

„setup-en.pdf" , ConTEXt. , Mark II Mark IV, . ConTEXt
. , . .

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` , , , . , … . , , .
`\Tite` `\tite`, . , , ( ) . , $(x_1, \ldots, x_n)$,
.

```
\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]).   ConT_EXt   . ,   ,   „ . #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\noindentation,
    after=\stopmarginrule,
    style=\ss\sl
  ]
```

\starttext

        :

\startTextWithBar

  \startitemize[n,broad]

    \item   .

     \item
         .

  \stopitemize

\stopTextWithBar

\stoptext

  :

            :

  1.   .

  2.   .

     (3.8.1),   ConTEXt   ,   \bgroup „before" \egroup „after".

3.8

,   ConTEXt.   ,   ,   ;   : .

3.8.1

     ConTEXt   (   ).   . :

• „{" \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" „4^2x".
„4^{2x}" „4^{2x}".

, ConT_EXt . (3.5) .

3.8.2

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

  ConT_EXt . 3.2 .

---

[1]   ConT_EXt , .

ConTEXt

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   ConTEXt

3.2   ;   ,   .   . ,   ,   . 1 „em”   „M”, „ex”   „x”.
          .   .

,   ,   ConTEXt   .   ,   ,   „0”,   ’0pt’ ’0cm’.   ,   .   ,   ,
(.)   (,).

          .   ConTEXt   . ,   ConTEXt   \parindent.   ,
ConTEXt. ,   ,   :

`\parindent=0pt`

   `\parindent 0pt` ( ) `\parindent0pt`   .

,   „”. ,   ,   .   ,   ,   .

   ConTEXt „”, ,   ,   .   :

`\ plus   minus`

`\parskip 3pt plus 2pt minus 1pt`

  ConTEXt   \parskip (   )   3 ,   ,   5 (3 2)   2 (3 1).   ConTEXt
  2   5 .

3.9   ConTEXt

   ConTEXt   . ,   ConTEXt   :   , ,   ,   .
          .

   ConTEXt,   (ConTEXt   5):

1.   ;   4 .

2.   (6).

3.   ,   , , , .   7.

4.   ,   12.3.

5. … .

     ,   .   .   ; ,   ConTEXt   :

•   .

• ,   ;   \setup   .

• ,   ,   .

      ,   (3.6),   .   ,   .   ,   ,   .
ConTEXt .   , „ConTEXt Standalone"   .   ,   „grep" (GNU
Linux)   .

        ConTEXt: ( )   ,   : ,   :   –   –   .   ConTEXt   .

4

, ConTEXt , , ConTEXt 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∃TEX, TEX – , – ASCII; , .

ConTEXt Mark IV UTF-8. , . Windows, Microsoft (
, !). ( ) .

, , . ConTEXt Mark IV UTF-8, , , ( ).

( )

. UTF-8, , ; Linux , , `iconv` `recode`.

. UTF-8. , **\enableregime**, :

`\enableregime[]`

ConTEXt . 4.1 ConTEXt.

	() ConTEXt
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   ConTEXt

ConTEXt Mk IV   UTF-8.   .   ,   UTF-8.

\enableregime ConTEXt \useregime   .   ,   \enableregime,   .
\useregime   ,   .   .

4.2   ConTEXt

.   3.1,   ConTEXt ,   . ,   ,   ConTEXt   ,   .   ,
,   .

4.2.1

. ConTEXt   (Tab)   .   ( )   .

.

.

ConTEXt   . ,   ,   ConTEXt   .   „\␣",   \   .   10.3.

,   ,   . ,

```
        {\em La Romántica
  Banda Local}
   .   ,     „El Egipcio"  :
\quotation{{\em Esto es una farsa más que una comedia, página muy seria
  de la histeria 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".

ConTEXt   :

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".

- ( ) (—), , .

- (−) .

UTF-8 . , . T_EX / , . ConT_EXt .
: ConT_EXt , . 4.2:

-	-	\hyphen
–	--	\endash
—	---	\emdash
−	$-$	\minus

4.2 / ConT_EXt

\hyphen \minus . ", T_EX , \endash \emdash . „" „" . „"
'n', „" 'm' .

4.3

ConT_EXt , „", , , „ ".

:

- , ; , , , .

- , , ; , .

- , ( ) , , .

4.4

„text" , , . :

- : „text" (\starttext).

- : „text"; , \starttext \stoptext.

4.1 . \starttext (5,), ; \starttext \stoptext . stoptext .

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

- (10.5).
- (5.1) (5.3).

```
%

%   :
%
%

\starttext %

...
... %
...

\stoptext %
```

4.1

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

   ;   ,   . ,   , , , .

, `\starttext` `\stoptext` ,   ,   ConTEXt   .

4.5   TEX

, TEX   `\input`.   ConTEXt,   `\input`.

4.5.1 `\input`

`\input`   . :

`\input`

      .   ,   . ,   .   „.tex",   .

ConTEXt   `\input` ,   . ,   ;   , ,   `\input`   .
`\input`   . ConTEXt   ,   ,   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'. : „MojiMakroi_env.tex" „env_MojiMakroi.tex". :

```
\startenvironment MojeOkruzenje

  \mainlanguage[sr]

  \setupbodyfont
    [dejavu]

  \setupwhitespace
    [big]

  ...

\stopenvironment
```

, \startenvironment \stopenvironment. \startenvironment ,
.

, , \startenvironment , , () .

( ). \environment. () ConTEXt , .

`\environment` :

`\environment`

`\environment[]`

,   ·   ,   ,   ·   „.tex",   .

4.6.2

,   ,   ·   ,   ·   ,   .

```
\environment MojeOkruzenje
\environment MojiMakroi

\startcomponent Glava1

  \startchapter[title={ 1}]

  ...

\stopcomponent
```

    :

```
\environment MojeOkruzenje
\environment MojiMakroi

\startproduct MojaKnjiga

  \component Glava1
  \component Glava2
  \component Glava3

  ...

\stopproduct
```

    ",   · , ()   ·   PDF   ·   ,   PDF   .

, \startcomponent, \environment   .   , \startproduct.   · ,
          · ,   ,   ,   ,   ,   · ,   ,   , ,   ;
    , ConTEXt   ,   .

          ,   „.tex",   .

4.6.3

    · , ConTEXt   : .

```
\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

<div align="right">

5

</div>

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 , .

<div align="center">

47

</div>

- CD, CD .

- S3 – S6, S8, SM, SW   ,   .

  , \setuppapersize   : „portrait” ()   „landscape” ().

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

  \setuppapersize,   ,   ,   .   „oversized” –   ConTEXt –
  .

       ,   : „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”).

\setuppapersize   .   ,   ;   ConT_EXt,   ,   .

 \definepapersize   ,   ,   .   .   ,

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

5.1.3

\setuppapersize   .   ,   ;   ,   .

  \setuppapersize   .   ,   \setuppapersize   ,   .

    ,   \setuppapersize ,   ,   ,   \adaptpapersize   ,   .
\setuppapersize, \adaptpapersize   .

5.1.4

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

```
\startTEXpage[] ... \stopTEXpage
```

    :

- **strut**.   . ConT_EXt , *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

ConT_EXt   \setuplayout.   ,   ,   \setuplayout :

- **:**   .   „",   ConT_EXt ,   ,   (   ),   ,   ,   .

- – : („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   .

left
edge   left
margin   text   right
margin   right
edge

topspace

top   top

topdistance

backspace

header   header

headerdistance

leftedge,   leftmargin,   width   rightmargin,   rightedge,
edge   margin   margin   edge

text

height   textheight

footerdistance

footer   footer

bottomdistance

bottom   bottom

leftedgedistance,   rightedgedistance,
edgedistance   edgedistance

leftmargindistance,   rightmargindistance,
margindistance   margindistance

5.1

5.3   (\setuplayout)

5.3.1

.   \setuplayout.   .   :

\setuplayout[Name][Options]

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

ConTEXt   ,   .   , ,   „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 \adaptlayout .
. , . :

\adaptlayout[] []

. \adaptlayout . , , . , \adaptlayout .

:

- **height**: , , . (. „19cm") (. „+1cm", „-0.7cm").

- **lines**: . +, − ( ).

, . \adaptlayout , , . , , ; , , .

5.3.3

, , . . , , \definelayout :

```
\definelayout[/] []
```

/ , , .

, :

```
\setuplayout[]
```

:

```
\setuplayout[reset]
```

, , . , , , . , 1 2, :

```
\definelayout[1][...]
\definelayout[3][reset]
```

1, 3 .

\definelayout[even] ; \definelayout[odd] .

5.3.4

•

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

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

•

\setuplayout , , . „columns" . , „columndistance".
( ) . , , „columns" (12.2).

5.4

ConTEXt , . , ConTEXt , , .

, : \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`

ConTEXt   . `\page`   :

.   .

  – **no**:   ,   , .
  – **bigpreference**:   ,   .

,   ,   ConTEXt   . ,   , ConTEXt   .

.   ;   ,   .

  – **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[pagenumber] .

2. , , . , \setupheadertexts[][pagenumber] „" , .

3. , . 5.2, : edge, margin, header… , , , .

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

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

\setupheadertexts[]
\setupheadertexts[][]

 „" , „" „" , , .

 . ConTEXt *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,
  \inother, \inouter, \inouteredge, \inoutermargin, \inright, \inright-
  edge, \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, \margintext   .

  ,   (strut, anchor, method, category, scope, option, hoffset, voffset, dy, bottomspace, threshold stack)   , ,   .   *distance* ,   ?   stack, \marginpars LᴬTₑX,   .

 \setupmargindata   . ,

\setupmargindata[right][style=slanted]

      .

\definemargindata[][]

ConTEXt

6.1

„ConTEXt Standalone”

ConTEXt , . , 21 ConTEXt Standalone , 6.1.

	() ConTEXt	
Latin Modern	modern, modern-base	Emily Brontë's book
Antykwa Poltawskiego	antykwapoltawskiego	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 Bront's book
Stix2	stixtwo	Књига Емили Бронте Emily Brontë's book
Xits	xits	Књига Емили Бронте Emily Brontë's book

6.1 ConTEXt

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

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

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

6.2

6.2.1 ,

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

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

            . TEX   ,   ,   ,   .
ConTEXt   : .   , ,   ConTEXt   ,   ,   ,   .   ConTEXt   ,   ,   :   .

,   ConTEXt   ,   ():

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

,   , :   ,   .   ConTEXt   ,   ;   ,   ; ,   ,   .   ,   ,
(„**bi**").

,   ConTEXt   ,   ,   ,   .

      ,   ,   .

. . – – ; . , , . , , :

$$\boxed{\text{italics} - \textit{italics} - \textit{italics}}$$

, , , 'a', .

. , . , .

, , :

1. .

2. , .

, ConTEXt . . 6.5.1.

6.2.2

ConTEXt , , , , . , 12 .

ConTEXt , Opentype Type 1 , . , TEX , *Computer Modern*, , , *Latin Modern* ConTEXt, *Computer Modern* TEX , MetaFont, TEX.

6.3

, ConTEXt *Latin Modern Roman* 12 . TEX. „" – () – , ; – – , , .

, `\setupbodyfont` , . , . , .

`\setupbodyfont` :

`\setupbodyfont[]`

:

- , 6.1.

- , ( ) . ConTEXt , `\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

,   .   ;   , ConTEXt   ConTEXt.
\showbodyfont,   .

 \showbodyfont :

\showbodyfont[]

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

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

.,   ,   \showbodyfont.

,   \showfont[].   .

6.4

6.4.1 \setupbodyfont \switchtobodyfont

, ,   ,   ConTEXt : \setupbodyfont.   . ,   ,   .

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

      –   . :

1. , `\setupbodyfont` , `\switchtobodyfont` , , .

2. `\switchtobodyfont` , `\setupbodyfont` , , , .

, , , , , .

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

6.4.2 ,

`\switchtobodyfont`, ConTEXt , . , ConTEXt , , ,
`\dontleavehmode` .

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

6.3

6.3 ; 6.4 .

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

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 *thought* I thought I wouldn't have thought so much!

(`\tf, \it, \bf, .`) . a, b, c d ,   1.2, 1.2^2 $(= 1.44)$, 1.2^3 $(= 1.728)$ 1.2^4 $(= 2.42)$. :

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

, , , ,

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

`\tf , \tfx , \tfxx`

, ,

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

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

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

`\showbodyfont`:

[modern-designsize]												
	`\tf`	`\tf`	`\bf`	`\sl`	`\it`	`\bs`	`\bi`	`\tfx`	`\tfxx`	`\tfa`	`\tfb`	`\tfc`	`\tfd`
`\rm`	Ag	Ag	**Ag**	*Ag*	*Ag*	***Ag***	***Ag***	Ag	Ag	Ag	Ag	Ag	Ag
`\ss`	Ag	Ag	**Ag**	*Ag*	*Ag*	***Ag***	***Ag***	Ag	Ag	Ag	Ag	Ag	Ag
`\tt`	Ag	Ag	**Ag**	Ag	*Ag*	**Ag**	**Ag**	Ag	Ag	Ag	Ag	Ag	Ag
`\mr`	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

,

, . , ConTEXt :

1. , .

2. `\switchtobodyfont`.

:

- `\definebodyfontswitch`: . , `\osam` (`\viii`[1]) 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", ConTEXt , HTML, „strong"

  `\definealternativestyle`. , ; ConTEXt „, `\cap`, " (??)

6.5

, :

6.5.1 ,

. , .

---

[1] , ConTEXt .

, . ConTEXt , . \em *emphasis.* \it \sl, , \em ; ,
, ConTEXt \em \it \sl. , ConTEXt ; \em , ConTEXt
., , ., – – \em, – .

:

```
{\em                                    Thelymitra
                                        variegata    .

{\em Thelymitra variegata}
    .}
```

\em (,), \em „Thelymitra variegata" .

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

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

6.5.2

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

, , . , , , , .

. ConTEXt \cap \Cap;

6.6

ConTEXt , , . .

6.6.1

ConTEXt „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	middlered	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`
. , :
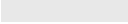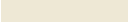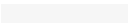
`\usecolors[xwi]`
`\color[darkgoldenrod]{ }`
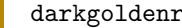
6.6.5

`\showcolor` , , , , ConTEXt. , `\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
white black	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

7.1

(,), . : , , „” – – „” . „” „”. () „” „” , „” „” ; (,). „” (,) „” „” , „” , „” . , , .

ConTEXt . „”.

. „” , , ConTEXt „section” ( ). ,
ConTEXt .

„” ( ) :

- . , „” . , . *per se* , , , .

  , . , . ConTEXt , , , .

- „” „”. :

  – ( ) .

  – , .

  ConTEXt , , . , ConTEXt , .

7.2

ConTEXt . , , , / .

ConTEXt 7.1.

73

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

7.1   ConTEXt

:

- 7.1   .   (\startchapter ... \stopchapter,)   .

-      6 .,   12 : \subsubsubsection \subsubsubsubsection, , \subsub-
  subsubsubsubsubsubsubsection, \subsubsubsubsubsubsubsubsubject.

      ( )   !   ,   .   ,   ,   .   ;   ,   .

           ,   „sub”   ,   :   „subsubsubsubsubsection”   „sub”-!   , ,   ,
      (subsubsection)   (7.5)   .

- (\part)   . ,   ,   (   ),   .

      ConTEXt ,   \part   ;   ,   ,   ,   .

-        „”,   .   . ,   ,   .   ,   ,   .

7.3

      ,   (7.5),   (, ,   „section”):

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

      ,   .   ,   Mark IV   .

-    ,   „”,   ,   ,   .   (9.2).   .

-          ConTEXt :   .

           3.3.1 3.4   ConTEXt   ,   .   ,   ,   ,   . ConTEXt
      TEX,   .

           (=)   :

– **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

ConTEXt ( ) , . \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[subsection]  [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".
  , .

- **margintext:** ( ) .

  „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`, ,   ConTEXt   , .

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]}
 ]
```

ConTEXt   :

•   .

•   :

    –   frontmatter backmatter   .

    –   bodymatter   .

    –   appendices   .

        \definesectionblock.

8

, ,

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

8.1

8.1.1

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

ConTEXt   . :

•   .

•   .

•   , .

•   .

,   . ,

ConTEXt , ,   . ConTEXt   ;   .   . , , :   −
−   .   ( ):   ConTEXt   . ,   ,   ,   −   −
.   .   ,   ;,   .

8.1.2

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

, \completecontent:

83

- , , „".

      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.

- , , . , ; .

  ConTEXt (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 ,

, ConTeXt `\placefigure`, `\placelist[figure]`. (
`\completecontent`) `\completelist[figure]`. ConTeXt: („table"),
(„graphic"), („intermezzo") („chemical"), , ConTeXt : (`\placelistof-`
`figures`, `\placelistoftables`, `\placelistofgraphics`, `\placelistofinter-`
`mezzi` `\placelistofchemicals`), : (`\completelistoffigures`, `\com-`
`pletelistoftables`, `\completelistofgraphics`, `\completelistofintermezzi`
`\completelistofchemicals`), `\completecontent`.

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

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

8.2.3

, , . ConTeXt „content", `\definecombinedlist` :

`\definecombinedlist[][][]`

- : .

- : , .

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

`\definecombinedlist` `\place` , : . , ,

`definecombinedlist[TOC]`

`\placeTOC;`

`definecombinedlist[content]`

`\placecontent`

, `\placecontent`! ? : ConTeXt :

`\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   .   :

  –   ,   ConTEXt   ,   ,   .

  –   ,   .   .

- _   .

-     \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

     ConTEXt „";   :

```
\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

:

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

, , . (, , „ 3.2", „ 7"), . „ " „ " , ,
. .

„" „" , „" .

, , , . , , .

:

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

, ; , (, ,), .

, , . ConTEXt, .

9.2

, :

1. . , ConTEXt . ; , , , , .
2. . . .

,   „ $\longrightarrow$ ",   ,   . ,   .

9.2.1

, , , , , . ,   . ConTEXt   ,   .

 :

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

- , , , , .   ,   ConTEXt   (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` .

```
\in{}[sec:target labels],          .
\at{}[sec:target labels],
                          9.2.1,   95,        .
```

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

```
\in{}[sec:target labels],          .
 \at{}[sec:target labels],
                          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:" , .

, ConTEXt   :

- ConTEXt   .

-        ,   ,   ConTEXt.

,   ,   . ,   ,   ,   ConTEXt , .

9.3

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

ConTEXt   (ConTEXt PDF   ),   .   .

,   ConTEXt PDF,   PDF   ,   PDF   ,   .

9.3.1

ConTEXt   ,   .   .   :

---

[1]   ,   − . .

`\setupinteraction[state=start]`

, . . „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}
```

```
        :
```

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,   ConTEXt   ConTEXt.
   URL   ConTEXt   .

9.5   PDF

PDF   PDF ,   .

ConTEXt   PDF   ,   `\placebookmarks`, :

```
\placebookmarks[ ]
```

        .

:

- `\placebookmarks`   .   (`\starttext` `\stoptext`, `\startproduct`
  `\stopproduct`),   :   . ,   ,   .

- (`\definehead`)   .   .

-                ,   .

- ,   „all",   ,   ; ,   ,   ,   ,   .

  PDF   ;   ,   . ,   ,   PDF   .   Acrobat, ,   ,   .

III

, ,

: , , , .

„" ConTEXt , .

10.1

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

10.1.1

( ), , . ( ) , ( ) (,); , , „navegação".

TEX ; ( ). , . , , (, …) .

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

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	\o, \O	
A	å, Å	\aa, \AA, {\r a}, {\r A}	\aring, \Aring
L	ł, Ł	\l, \L	
	ß	\ss, \SS	
'i' and 'j'	ı, J	\i, \j	
	ű, Ű	\H u, \H U	
	ç, Ç	\c c, \c C	\ccedilla, \Ccedilla

10.2

, . , (ß), , , ( ).

A „{\r A}" `\Aring` .

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

10.1.2

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

, (6,) (, 30 pt) .

, , „oe" „ae" 'œ' 'æ' . ConTEXt 10.3

æ, Æ	\ae, \AE	\aeligature, \AEligature
œ, Œ	\oe, \OE	\oeligature, \OEligature

10.3

() 'Ð': 'D' 'E'. , ConTEXt ,[3] , 10.1.5.

, , „", ConTEXt , ( ) `\definefontfeature` ( ).

---

[1] 10.1, 'e' .
[2] , '␣'.
[3] LATEX \DH „fontenc".

10.1.3

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

(/)	(/)
α, A	\alpha, \Alpha
β, B	\beta, \Beta
γ, Γ	\gamma, \Gamma
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
o, 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`

• . , .

-        `\.`   :

  –   (   ).

  –   .   ,   ,   `\showfont[ ].`

  –   .

,   (10.1.2).   : 'Đ'.   , , `\decontract`   `\decontract.`   :

`\definecharacter decontract Đ`

        ,   ,   ,   . , 'Đ'   .

ConTEXt   `\definecharacter.`   .   :

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

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

`\definecharacter bcedilla {\buildtextcedilla b}`

    `\bcedilla`   'b' : 'b̦'.   „"   .   ,   .

    `\buildmathaccent` `\buildtextognek` .   .

`\buildtextaccent`   ,   .   „buildtextaccent",   ;   ,
. ,   .   'Đ'   ,

`\definecharacter decontract {\buildtextaccent D E}`

    'D'   („Đ̲")   .   ,   .

`\definecharacter unusual {\buildtextaccent\_ "}`

 '"̲'   `\unusual.`

 build   –   .   , 'z':

- `\buildtextbottomcomma`   ('z̦').

- `\buildtextbottomdot`   ('ẓ').

- `\buildtextcedilla`   ('z̧').

- \buildtextgrave   ('ž').

- \buildtextmacron   ('ẕ').

, \buildtextgrave \buildtextaccent; ,   ,   .   ,   :

$$\grave{\dot{Z}} - \grave{Z}$$
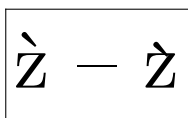
10.1.6

„ConTEXt Standalone"   ConTEXt   .   „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]
```

„♒",   „",   .   \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 Two I was \nocap{nearly}
new (A.A. Milne)}.
```
│ WHEN I WAS ONE I HAD JUST BEGUN, WHEN I WAS
│ TWO I WAS nearly 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) „_" „^" . , ConTEXt :

- `\high{}`:   .

- `\low{}`:   .

- `\lohi{}{}`:   ,   :   ,   ,   :

      `\lohi{}{}` |

10.2.3

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

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

   ConTEXt `\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`:   TEX ConTEXt: .,   `\type`   .,   `\tex`
        ConTEXt.

10.3

10.3.1

ConTEXt (TEX) :

- , , , , , ” ” (”) ” ” (”). , , , , .

- , .

  – , ConTEXt , 11.3. , ConTEXt ( ), .

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

10.3.2

, . ConTEXt :[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] ConTEXt ConTEXt . , : .

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

  \setupstretched.

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

10.3.3

        ,   , ConTEXt   ,   4.2.1.   ,   :

- \,   (   ). , ,   (. 1.000.000),   . : „1\,473\,451" „1 473 451".

- \space „\␣" (,   „␣",) .

- \enskip, \quad \qquad   , 1   2 .   'm',   . ,   12 , \enskip
  6 , \quad   12 , \qquad   24 .

    , \hskip \hfill   :

\hskip   . :

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

    ,   . :

```
                                                    |
\hskip -1cm                                         |
```

\hfill, ,   ,   ,   ,   :

```
\hfill    \\                                        |
 \hfill                                             |
```

10.4

„"   ,   .   : „"   („ + ")   . ,   ().   , (,
!). ,   „–" „–".

  ConTEXt   .   ,   ,   .

  „||"   ConTEXt   .   :

-          , , „||".

-          /,   , „|/|".

ConTEXt , . ConTEXt \setuphyphenmark, ,
„--"). , „||", ConTEXt „–".

\setuphyphenmark ( ). „--, ---, -, , (,), =, /". , „="
e („---").

„||" , . , , „()", , „/". , „(|)|" „|/|". ,
„|=|" „|---|" (—).

10.5

. ConTEXt , . :

- .
- .
- .

10.5.1

ConTEXt . :

- \mainlanguage .

- \language .

( ). ô ISO 639-1, , , , .

10.5 ConTEXt, ISO , , .[1]

, (), :

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

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

, , , , . , . . , ConTEXt , , ,
. , , .

(,), : ( ) . , , :

---

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

	ISO ô	()
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, portughese	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
Ukranian	ua, ukrainian	
Vietnamese	vi, vietnamese	

10.5   ConTEXt

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

          ,   ,   .   ,   .

10.5.2

ConTEXt   .   \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/con-text/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
```

,   ,   ,   . :

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

Su carta de fecha   Su referencia   Nuestra referencia   Fecha

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

.\quote \quotation

( ) ,   .   , ConTeXt \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

,

5,   , ,   6,   ,   , .   .

11.1

ConTEXt.   :

1.   .

2. \par \endgraf.

          .   (3.7.1)   (13.3).

     ,   .   :   ,   ,   ,   .

     .   ;   ,   ,   .   .

ConTEXt   .

11.1.1

     .   ,   ,   \setupindenting :

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

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

     ( ),   . , (.   ,   . ;   (). 12 ,   12 12 . ConTEXt
: \quad   , \qquad   ,   .   11   22 ,   12 , 24 .

119

,   ,   \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 ,   \definenarrower[] []

,   \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

T_EX   `\vskip`. ,   T_EX ,   ConT_EXt   ConT_EXt .   `\godown` :

`\godown[]`

      . , `\godown[5cm]`   5   ;   5   , `\godown`   . , `\godown`   ,   , ,
„`\`␣`\godown[3cm]`"[1]   ,   .

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

   T_EX   ConT_EXt, `\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   '~'

.   ,   ,   '~', TEX ,   .

:

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

      ' , '
   ,~.

, (TEX)   :

- .
- ,   , , , . , `~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
().

.

` \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), ConTEXt   ,   ,   . ,   ,   ,   . ConTEXt
„lines"   :

`\startlines[] ... \stoplines`

  ,   :

- **space**:   „on",   ,   ,   .

- **before**:   .

- **after**:   .

- **inbetween**:   .

- **indenting**:   (11.1.1).

- **align**:   (11.6).

- **style**:   .

- **color**:   .

  ,

```
  \startlines                              ,
     ,                                     .
     .                                     ,
     ,                                     .
     .
  \stoplines
```

        `\setuplines` ,   ConTEXt ,   `\definelines`   . :

`\definelines[] []`

      .   ,   :

`\startlines[] ... \stoplines`

11.5.2

        , ,   ,   ,   ,.   ConTEXt `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**:

       `\definelinenumbering`   :

`\definelinenumbering[] []`

      ,

`\startlinenumbering[] ... \stoplinenumbering`

11.6

       `\setupalign`.   .

11.6.1

        ,   . [1]   :

---

[1]   ConTEXt   .

1.   :   ,   ,   ,   .   ,   . ConTEXt   .

,   ;   ,   .   , ConTEXt   ,   . `flushright` , `flushleft` .
`flushright` `flushleft`, `\setupalign`   `right` `left`. :   . *left* „", *right*
„", `\setupalign[left]`   , and `\setupalign[right]` .   , ConTEXt
: „ConTeXt flushleft flushright.   , '' ''., ConTeXt, ' '
', '', ''.   ,   "

,   . `flushinner` (`inner`) `flushouter` (`outer`)   .

2.   .   . `\setupalign`   `middle`.

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

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

`\setupalign`   ,   ,   ;   .

`\setupalign morehyphenation`   ConTEXt   `lesshyphenation`   .
`\setupalign[horizontal, morehyphenation]`,   ,   . , `\setupalign[horizon-`
`tal, lesshyphenation]`   , .

`\setupalign`   ,   ,   .   , :

- „`alignment`",   .   :

  `\startalignment[] ... \stopalignment`

        `\setupalign`.

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

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

11.6.2

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

`\setuptolerance`   ConTEXt   ( ),   , .   Con-
TEXt   .   : `verystrict, strict, tolerant verytolerant`.
`\setuptolerance [vertical, strict]`.

.   .   .   ,   ;   ,   .

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

```
\widowpenalty=10000
\clubpenalty=10000
```

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

12

12.1

„   ,   ,   , ,   " [*Libro de Estilo de la Lengua española* (   ), . 195].
.   .   (   );   ( ),   ,   ( ).   ,   :, , , .,
ConTEXt   .   .

,   :

- :   .   , ,   :   .   .

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

- ,   ,   .

- :   ,   .

12.1.1   ConTEXt

ConTEXt   .   ,   .   :

- : ,   .   ,   . \footnote.

- :   \endnote   ;   ,   (\placenotes).

- :   ,   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]\\

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

,[1] [1]

 .

, .
, .

___
[1]

\footnote \endnote :
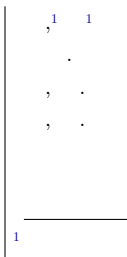
\footnote , , (,) . , ConTEXt .

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

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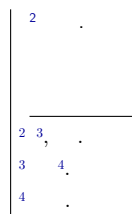
```
%
\footnote{ \note[noteB],   .}%
\footnotetext[noteB]
{   \note[noteC].}
\footnotetext[noteC]{
  .}
 .
```

[2] .

___
[2] [3], .
[3] [4] .
[4] .

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

12.1.3

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

12.1.4

`\definenote`   .   , ,   .

`\definenote` :

`\definenote[][][]`

-     .

-     . footnote endnote;   ,   ,   `\placenotes[endnote]`
  `\placenotes[]` (   ).

       ,   ,   .

-         :   ,   ,   .

       ConT_EXt (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`.

          .   , ConTEXt   ,   .

  – : margin `\setupnotation`.

  – : width `\setupnote`.

  – : n `\setupnote`   . 'n' .

• : :

  – rule, `\setupnote`   (rule)   . yes, on, no off.   , .

  – before, `\setupnotation`:   .   ,   ,.

  – after, `\setupnotation`:   .

12.1.6

`\notesenabledfalse` `\notesenabledtrue`   ConTEXt   .   ,   .   ,
,   ,   , ,   .

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, flus-
  hinner, 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
```

.   ConTEXt   ; ,   ,   .

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`. :

```
\startitemize[a, packed]              a.
\startitem   \stopitem                b.
\startitem   \stopitem                c.
\startitem   \stopitem
\stopitemize
```

```
\startitemize[a, packed]              a.
\item                                 b.
\item                                 c.
\item
\stopitemize
```

\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
```

  ,   :

∘   ∘   ∘   ∘   ∘   ConTEXt, .
∘   ∘   ∘   ∘   ∘   .
∘   ∘   ∘   ∘   ∘   .
∘   ∘   ∘   ∘   ∘   „", .

12.3.3

„itemize" .   .   ;   „itemize"   :

- columns: . columns   : two, three, four, five, six, seven, eight
  nine.   columns   ,   .

- intro: .

- continue: ( )   .   continue ,   .

- packed: .   .

- nowhite: 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 .

- identing: .   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}

, , :
◦ png
◦ jpg
◦ tiff
◦ bmp

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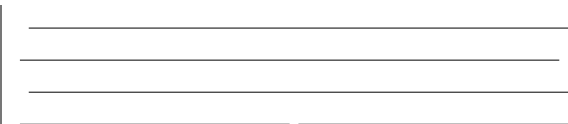
`\hairline` . , `\thinrule`. . `\hairline`,
`\thinrule` `\hfill` (10.3.3), (`\hfill`), .

```
\thinrule\\
\thinrule \\
\thinrule \\
\thinrule \thinrule
```

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

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

`\hl` `\vl`. , . . `\hl` ( ), `\vl` .

`\hl[3]` 3 , `\vl[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.   ,   .

`\texrule` `\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{}.   ▯ ▯.

 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

 ConTEXt , . :

- **buffer** . \startbuffer[] ... \stopbuffer
  \getbuffer[], .

- **chemical** . TEX , , , ConTEXt , .

- **combination** . .

- **formula** .

- **hiding** , . . . , , \starthiding,
  \stophiding.

- **legend** , TEX ., . \startlegend .

- **linecorrection** ConTEXt   ,   .   \framed.   .

- **mode**   .   ,   .   \startnotmode.

- **opposite**   .

- **quotation**   narrower,   .   ,   .   ,   −   .

- **standardmakeup**   ,   ,   , , .

     (   ),   :

1.   ConTEXt .   ;   .

2.   .

3.   ConTEXt   (3.6)   ,   .

,

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

13.1   ?

,   :   ,   ·   ,   , , , , .

,   ,   ,   ,   ,   · ,   ,   .

;   · „ ”   ,   .   ConTEXt   , ,   ;   .

,   ·   · ,   ,   .

,   ,   ;   ,   ,   · ,   : „   ”, ,   , :   ,   .

(   ),   „ ” „ ”,   „ 1.3”,   ConTEXt (9.2). ,   (, , , , .).   , (8.2).

ConTEXt   .   : · ,   .

13.2

(1.5), ConTEXt   MetaPost   .   ConTEXt[1]   TiKZ.[2] (   ).   ,   ConTEXt   .

13.2.1

( ) \externalfigure

---

[1] ConTEXt   ,   .

[2]   TEX .   „ ” „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. ConTEXt   ,   (svg, eps, gif tif)   ,   ,   ConTEXt   .

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

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

      , ConTEXt   `method`.

   , ,   ,   ,   ,   .

ConTEXt   ,   .   `directory` `\setupexternalfigures`,   . ,   `location`. ,   „img",   :

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

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

   `directory`   '/'   ;   Microsoft Windows   '\'.

`\externalfigure`   . ,   CervanTeX   . TEX   :[1]

```
\externalfigure
[http://www.cervantex.es/files/
cervantex/cervanTeXcolor-small.jpg]
```
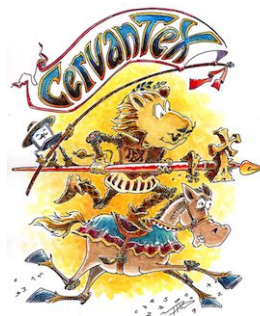
      ,   LuaTEX .   .   1 .   , ConTEXt .

ConTEXt   , ,   (ConTEXt)   , .   13.4.3.

---

[1]   ,   .   .   ,   .

13.2.2   \placefigure

.   \placefigure.   ConTEXt:

- , .

- , .

- ,   .

- ( )   .

- , .

- ,   .[1]

:

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

:

-    .   ,   (13.4.1). , `here` . ConTEXt , ,   .

- ,   (9.2).

-   .

- .

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


13.1   TEX

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

- ,   „ "   , ConTEXt .   \placelist[figure] (8.2),
  \placelistoffigures \completelistoffigures.

- ,   \placefigure,   (9.2).

- ,   ,   () , ConTEXt   .

, \placefigure , ,   .   , .,   \placefigure,   ,   ;   ConTEXt
     ,   , , .   :

$$\square$$

13.2   \placefigure

  :

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

13.2.3

            ,   (,   ).   \placefigure   ,   (13.4.1),
ConTEXt   . ,   , 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), .

-

ConTEXt . \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 ( ),
  .

- , .

\placetable \placefigure (13.2.2):

\placetable[][] {} {}

13.4.1 13.4.2 . , . „split" , , ConT_EXt , .

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

Табела од 4 реда и 3 колоне

Ред

Колона

13.3

13.3.2 tabulate

tabulate , :

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

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

                          .   . ,   ,   1 2.   ,   .

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

        T_EX,   ConT_EXt,   ,   .   ( ) ConT_EXt ,   .   :   („m”)
              .   ,   .

   •   : „in”, „jn”   „kn”   („in”), („jn”)   („kn”).   , „n”
     (   ).   , „|j2r|”   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   .   ,   !

   ConTEXt .   \tex   10.2.3.

13.4   ,

     ,   ,   \placefigure \placetable.   ,   ,   ConTEXt
\placechemical ( ), \placegraphic ( ) \placeintermezzo   ConTEXt ,
   .   \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.*   ConTEXt   .   .   .

- *Label.*   .

- *Title.*   .   ,   13.4.2.

- *Contents.*   .   `\externalimage`; ,   ; ,   ; .

      . ( ) ,   . ,   : `\placefloat{}{}`
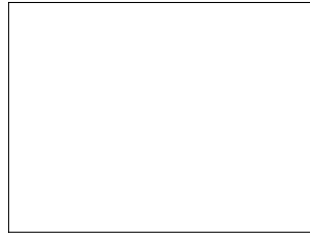
13.4

:   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.

- , , , . ConTEXt .

13.4.3

, ConTEXt , \startcombination , :

\startcombination[] ... \stopcombination

: , . , , , *. :

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

`\stopcombination`

.

name: test1 file: test1 state: unknown	name: test3 file: test3 state: unknown	name: test5 file: test5 state: unknown
name: test2 file: test2 state: unknown	name: test4 file: test4 state: unknown	name: test6 file: test6 state: unknown

, ConTEXt .

, `\startcombination`, .

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

13.4.4

`\placefloat` , . :

- . `\setupfloat[ ]`.

- . `\setupfloats`.

`\placefloat[figure]` `\placefigure`, `\setupfloat[figure]` `\setupfigures`, `\setupfloat[table]` `\setuptables`.

, ConTEXt (3.6).

13.5

`\definefloat` . :

`\definefloat[ ] [ ] []`

. `\setupfloat[ ]`.

, ConTEXt , , , .

ConTEXt. :

- .

- . , .

-

- , , (TEX) .

, : , . ; , , .

ConTEXt: (\setupfloats) : \placefloat: ConTEXt :

1. . \definefloat, , .

2. , , : \setupfloat[].

3. , (\placefloat), : (\placefloat[]).

4. , , . ( ) , .

, ConTEXt , ConTEXt:

- .

- , .

- „title" , .

- , . .

[13.3] , :

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

13.3

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

; , ConTEXt, \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_ET_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". ConTeXtgarden ,
  . (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.

TEX   ,   :

- 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`

,   ConTEXt,   ,   ,   ConTEXt .   ,   . ConTEXt   : LEd,
Notepad++, Scite, TeXnicCenter, TeXworks, vim   .

1.3   „ConTEXt Standalone"

Mark IV   ,   „ConTEXt Standalone" .   , :   „first-setup.sh" .

    „ConTEXt Standalone",   „first-setup" „--context=",   .
--.

 ConTEXt   .

,   ,   , GNU Linux   4 ,   „".

2   LMTX

    ConTEXt Mark IV,   LuaTEX   LuaMetaTEX, LuaTEX   ,
„ConTEXt Standalone"   LMTX.   ConTEXt.   TEX   : LuaMetaTEX.   2019.
    2020.   ConTEXt   ConTEXt .

    LMTX ,   . ,   Mark IV,   , , LMTX (4 2020)   `\Caps` .   „ConTEXt
    Standalone".

2.1

 :

- **1:**   LMTX,   , .   „context"   .

- **2:** ( ) zip   ConTEXt   .   :

  – 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

ConTEXt LMTX does ConTEXt ., ConTEXt .

, LMTX (`install.sh install.bat`) . GNU Linux .
Windows , .

2.3 LMTX

LMTX : , .

, ; „`install.sh`" „`install.bat`"; , , .

2.4 LMTX (GNU/Linux)

, „ConTEXt Standalone" („`tex/setuptex`") , LMTX ., , ,
„`setuplmtx`" „`tex`". :

```
export PATH="~/context/LMTX/tex/texmf-linux-64/bin:"\$PATH
echo " ~/context/LMTX/tex/texmf-linux-64/bin  PATH"
export TEXROOT="~/context/LMTX/tex"
echo " ~/context/LMTX/tex  TEXROOT"
export OSFONTDIR="~/.fonts:/usr/share/fonts:/usr/share/texmf/fonts/opentype/"
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 ConTEXt (Unix)

`alias` ConTEXt . , ConTEXt 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".

,   ; (   )   .

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

, .   ConTEXt   ,   .   TEX   LATEX,   ConTEXt.
LATEX ('$').   ConTEXt,   ,   .

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▼	\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

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←	\leftarrow, \gets	→	\rightarrow, \to	↔	\leftrightarrow
↚	\nleftarrow	↛	\nrightarrow	⇔	\Leftrightarrow

←	\longleftarrow	→	\longrightarrow	↔	\longleftrightarrow
⇐	\Lleftarrow	⇒	\Rrightarrow	⟺	\Longleftrightarrow
⇍	\nLeftarrow	⇏	\nRightarrow	⇋	\leftrightharpoons
↰	\Lsh	↱	\Rsh	↭	\leftrightsquigarrow
↤	\mapsfrom	↦	\mapsto	⇎	\nLeftrightarrow
⟻	\longmapsfrom	⟼	\longmapsto	↮	\nleftrightarrow
⇐	\Mapsfrom	⇒	\Mapsto	⇄	\rightleftarrows
⟽	\Longmapsfrom	⟹	\Longmapsto	⇌	\rightleftharpoons
↢	\leftarrowtail	↣	\rightarrowtail	↕	\updownarrow
↞	\twoheadleftarrow	↠	\twoheadrightarrow	⇕	\Updownarrow
↺	\circlearrowleft	↻	\circlearrowright	⇅	\updownarrows
↶	\curvearrowleft	↷	\curvearrowright	↑	\uparrow
↩	\hookleftarrow	↪	\hookrightarrow	⇑	\Uparrow
↽	\leftharpoondown	⇁	\rightharpoondown	⇈	\upuparrows
↼	\leftharpoonup	⇀	\rightharpoonup	↟	\twoheaduparrow
⇇	\leftleftarrows	⇉	\rightrightarrows	↿	\upharpoonleft
↫	\looparrowleft	↬	\looparrowright	↾	\upharpoonright
↙	\swarrow	↘	\searrow	↓	\downarrow
↖	\nwarrow	↗	\nearrow	⇓	\Downarrow
↜	\leftsquigarrow	↝	\leadsto, \rightsquigarrow	⇊	\downdownarrows
⟺	$\iff$	↡	\twoheaddownarrow	⇃	\downharpoonleft
⟹	$\implies$			⇂	\downharpoonright

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⊔	\bigsqcup	⨄	\biguplus	⋁	\bigvee
⋀	\bigwedge	⊥	\bot	⋈	\bowtie
≎	\Bumpeq	∩	$\cap$	⋒	\Cap
≗	\circeq	∁	\complement	≅	\cong
∐	\coprod	∪	\cup	⋓	\Cup
⋞	\curlyeqprec	⋟	\curlyeqsucc	⋎	\curlyvee
⋏	\curlywedge	⊣	$\dashv$	†	\dagger, dag
‡	\ddagger, ddag	◇	\diamondsuit	÷	\div
⋇	\divideontimes	≐	\doteq	≑	\doteqdot
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⪊	\gnapprox	≩	\gneqq	≵	\gnsim
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⪌	\gtreqqless	≷	\gtrless	≳	\gtrsim
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≲	\lesssim	≪	\ll	⋘	\lll
⪉	\lnapprox	≨	\lneq	≨	\lneqq
≴	\lnsim	∨	\lor	⋉	\ltimes
∡	\measuredangle	⊨	\models	∓	\mp
⊸	\multimap	⊯	\nVDash	∇	\nabla
♮	\natural	≇	\ncong	≠	\neq
¬	\neg o \lnot	∄	\nexists	≱	\ngeq
≯	\ngtr	∋	\ni	≰	\nleq
≮	\nless	∤	\nmid	/≈	\not\approx
/≡	\not\equiv	/∼	\not\sim	/≃	\not\simeq
∉	\notin	∦	\nparallel	⊀	\nprec
≁	\nsim	⊈	\nsubseteq	⊁	\nsucc
⊉	\nsupseteq	⋪	\ntriangleleft	⋬	\ntrianglelefteq
⋫	\ntriangleright	⋭	\ntrianglerighteq	⊬	\nvdash
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±	\pm	≺	\prec	≼	\preccurlyeq
⪯	\preceq	⋨	\precnsim	≾	\precsim
′	\prime	∏	\prod	∝	\propto
ℜ	\Re	⋌	\rightthreetimes	≓	\risingdotseq
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≃	\simeq	⌣	\smile	∢	\sphericalangle
⊓	\sqcap	⊔	\sqcup	⊏	\sqsubset
⊑	$\sqsubseteq$	⊐	\sqsupset	⊒	\sqsupseteq
⊂	\subset	⋐	\Subset	⊆	\subseteq
⊊	\subsetneq	≻	\succ	≽	\succcurlyeq
≽	\succeq	⋩	\succnsim	≿	\succsim
∑	\sum	⊃	$\supset$	⋑	\Supset
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±	\textpm	×	\times	⊤	\top
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- `\stop`   `\start,`   `\stop` ,   `\start` .

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