

Zpravodaj Československého sdružení uživatelů TeXu

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pdfTeX primitives (syntax)

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Primitiva pdfTeXu (syntaxe)

S laskavým svolením autora pdfTeXu Hàn Thê Thànha a správce dokumentace Hartmuta Henkela zde přetiskujeme syntaxi primitiv, která přináší pdfTeX verze 1.21b. Původní soubor `pdftex-syntax.txt` je vysázen následujícím kódem systému ConTeXt, který umožňuje snadné barevné zvýraznění syntaxe:

```
\setuppapersize[A5][A5]
\setuplayout[width=fit,backspace=12mm,cutspace=12mm,
margin=0pt,margindistance=0pt,
height=fit,topspace=18mm,bottomspace=8mm,
header=0pt,headerdistance=0pt,footer=12pt,footerdistance=4mm]
\setupbodyfont[10pt]

\setupheadertexts[text][ ][ ]
\setupfootertexts[text][ ][pagenumber]
\setupcolors[state=start]

\definetyping[TEX]
\setuptyping[TEX][option=TEX]

\starttext
  \switchtobodyfont[8pt]
  \typefile[TEX][ ]{pdftex-syntax.txt}
\stoptext
```

```
%% This is the list of new or extended primitives provided by pdftex.
%% Don't edit this file, as it is now auto-generated from the
%% pdfTeX documentation file pdftex-t.tex by script syntaxform.awk.
%% Used convention for syntax rules is borrowed from 'TeXbook naruby'
%% by Petr Olsak.
%% $Id: pdftex-t.tex,v 1.596 2005/04/23 19:22:17 hhenkel Exp $

%% integer registers:
\pdfoutput (integer)
\pdfoptionpdfminorversion (integer)
\pdfcompresslevel (integer)
\pdfdecimaldigits (integer)
\pdfimageresolution (integer)
```

<code>\pdfkresolution</code>	(integer)
<code>\pdftracingfonts</code>	(integer)
<code>\pdfuniquestname</code>	(integer)
<code>\pdfadjustspacing</code>	(integer)
<code>\pdfprotrudechars</code>	(integer)
<code>\efcode <8 bit number></code>	(integer)
<code>\lpcode <8 bit number></code>	(integer)
<code>\rpcodes <8 bit number></code>	(integer)
<code>\pdfoptionalwaysusepdfpagebox</code>	(integer)
<code>\pdfoptionpdfinclusionerrorlevel</code>	(integer)
<code>\pdfimagehicolor</code>	(integer)
<code>\pdfimageapplygamma</code>	(integer)
<code>\pdfgamma</code>	(integer)
<code>\pdfimagegamma</code>	(integer)
<code>\pdfmovechars</code>	(integer)
%% dimen registers:	
<code>\pdfhorigin</code>	(dimen)
<code>\pdfvorigin</code>	(dimen)
<code>\pdfpagewidth</code>	(dimen)
<code>\pdfpageheight</code>	(dimen)
<code>\pdflinkmargin</code>	(dimen)
<code>\pdfdestmargin</code>	(dimen)
<code>\pdfthreadmargin</code>	(dimen)
%% token registers:	
<code>\pdfpagesattr</code>	(tokens)
<code>\pdfpageattr</code>	(tokens)
<code>\pdfpageresources</code>	(tokens)
%% expandable commands:	
<code>\pdftexrevision</code>	(expandable)
<code>\pdftexbanner</code>	(expandable)
<code>\pdfpageref <page number></code>	(expandable)
<code>\pdfxformname <object number></code>	(expandable)
<code>\pdffontname </code>	(expandable)
<code>\pdffontobjnum </code>	(expandable)
<code>\pdffontsize </code>	(expandable)
<code>\pdfincludechars <general text></code>	(expandable)
<code>\leftmarginkern <box number></code>	(expandable)
<code>\rightmarginkern <box number></code>	(expandable)
%% read-only integers:	
<code>\pdftexversion</code>	(read only integer)
<code>\pdflastobj</code>	(read only integer)
<code>\pdflastxform</code>	(read only integer)
<code>\pdflastximage</code>	(read only integer)
<code>\pdflastximagepages</code>	(read only integer)
<code>\pdflastannot</code>	(read only integer)
<code>\pdflastxpos</code>	(read only integer)
<code>\pdflastypos</code>	(read only integer)

```

\pdflastdemerits                                (read-only integer)
\pdflastvbreakpenalty                          (read-only integer)

%% general commands:
\pdfobj <object type spec>                      (h, v, m)
\pdfrefobj <object number>                    (h, v, m)
\pdfxform [<xform attr spec>] <box number>     (h, v, m)
\pdfrefxform <object number>                 (h, v, m)
\pdfximage [<image attr spec>] <general text> (h, v, m)
\pdfrefximage <object number>               (h, v, m)
\pdfannot [<rule spec>] <general text>       (h, v, m)
\pdfstartlink [<rule spec>] [<attr spec>] <action spec> (h, m)
\pdfendlink                                    (h, m)
\pdfoutline <outline spec>                   (h, v, m)
\pdfdest <dest spec>                         (h, v, m)
\pdfthread <thread spec>                     (h, v, m)
\pdfstartthread <thread spec>                (v, m)
\pdfendthread                                 (v, m)
\pdfsavepos                                   (h, v, m)
\pdfinfo <general text>
\pdfcatalog <general text> [<open-action spec>]
\pdfnames <general text>
\pdfmapfile <map spec>
\pdfmapline <map spec>
\pdffontattr <font> <general text>
\pdftrailer <general text>
\pdffontexpand <font> <expand spec>
\vadjust [<pre spec>] <filler> { <vertical mode material> } (h, m)
\pdfliteral [direct] <general text>         (h, v, m)
\special <pdfspecial spec>

%% syntax rules:
<general text> --> { <balanced text> }
<attr spec> --> attr <general text>
<resources spec> --> resources <general text>
<rule spec> --> (width | height | depth) <dimension> [<rule spec>]
<object type spec> --> reserveobjnum
                        | [useobjnum <number>] [stream [<attr spec>]] <object contents>
<object contents> --> <file spec>
                        | <general text>
<xform attr spec> --> [<attr spec>] [<resources spec>]
<image attr spec> --> [<rule spec>] [<attr spec>] [<page spec>] [<pdf box spec>]
<outline spec> --> <attr spec> <action spec> [count <number>] <general text>
<action spec> --> user <user-action spec>
                        | goto <goto-action spec>
                        | thread <thread-action spec>
<user-action spec> --> <general text>
<goto-action spec> --> <numid>
                        | [<file spec>] <nameid>
                        | [<file spec>] [<page spec>] <general text>
                        | <file spec> <nameid> <newwindow spec>

```

```

| <file spec> [<page spec>] <general text> <newwindow spec>
<thread action spec> --> [<file spec>] <numid>
| [<file spec>] <nameid>
<open action spec> --> openaction <action spec>
<pdf box spec> --> mediabox | cropbox | bleedbox | trimbox | artbox
<map spec> --> { [<map modifier>] <balanced text> }
<map modifier> --> + | = | -
<numid> --> num <number>
<nameid> --> name <general text>
<newwindow spec> --> newwindow | nonewwindow
<dest spec> --> <numid> <dest type>
| <nameid> <dest type>
<dest type> --> xyz [zoom <number>]
| fitr <rule spec>
| fitbh
| fitbv
| fitb
| fith
| fitv
| fit
<thread spec> --> [<rule spec>] [<attr spec>] <id spec>
<id spec> --> <numid> | <nameid>
<file spec> --> file <general text>
<page spec> --> page <number>
<expand spec> --> <stretch> <shrink> <step> [autoexpand]
<stretch> --> <number>
<shrink> --> <number>
<step> --> <number>
<pre spec> --> pre
<pdfspecial spec> --> { [<pdfspecial id> [<pdfspecial modifier>]] <balanced text> }
<pdfspecial id> --> pdf: | PDF:
<pdfspecial modifier> --> direct:

```

Summary: pdfTeX primitives (syntax)

With kindly agreement of Hàn Thê Thành and Hartmut Henkel we reprint the file `pdftex-syntax.txt` that is automatically generated from the pdfTeX documentation. Syntax highlighting is done by ConTeXt by included code.