

CTAN:macros/latex/contrib/oberdiek/

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2 Packages

The `accsupp` package

Abstract

Since PDF 1.5 portions of a page can be marked for better accessibility support. For example, replacement texts or expansions of abbreviations can be provided. Package `accsupp` starts with providing a minimal low-level interface for programmers. Status is experimental.

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The `aliascnt` package

Abstract

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The `alphalph` package

Abstract

The package provides methods to represent numbers with a limited set of symbols. Both L^AT_EX and plain T_EX are supported.

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The `askinclude` package

Abstract

This package replaces `\includeonly` by an interactive user interface.

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The `atbegshi` package

Abstract

This package is a modern reimplemention of package `everyshi` without the burden of compatibility. It makes use of ε - \TeX 's if available. Both L^AT_EX and plain- \TeX are supported.

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The `atenddvi` package

Abstract

L^AT_EX offers `\AtBeginDvi`. This package `atenddvi` provides the counterpart `\AtEndDvi`. The execution of its argument is delayed to the end of the document at the end of the last page. Thus `\special` and `\write` remain effective, because they are put into the last page. This is the main difference to `\AtEndDocument`.

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The `attachfile2` package

Abstract

This package can be used to attach files to a PDF document. It is a further development of Scott Pakin's package `attachfile` for pdfTeX. Apart from bug fixes, package `attachfile2` adds support for `dvips`, some new options, gets and writes meta information data about the attached files.

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The `atveryend` package

Abstract

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The auxhook package

Abstract

Package auxhook provides hooks for adding stuff at the begin of .aux files.

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The `bignumcalc` package

Abstract

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The `bitset` package

Abstract

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The **bmpsize** package

Abstract

Package **bmpsize** analyzes bitmap images to extract size and resolution data. It adds this feature to the graphics package that now do not need separate bounding box files for bitmap images. Additionally the implementation for the inclusion of bitmap images in some drivers of package **graphicx** are rewritten to support options **viewport**, **trim** and **clip**.

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The **bookmark** package

Abstract

This package implements a new bookmark (outline) organization for package `hyperref`. Bookmark properties such as style and color can now be set. Other action types are available (URI, GoToR, Named). The bookmarks are generated in the first compile run. Package `hyperref` uses two runs.

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The `catchfile` package

Abstract

This package catches the contents of a file and puts it in a macro. It requires ε -TEX. Both LATEX and plain-TEX are supported.

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The `centernot` package

Abstract

This package provides `\centernot` that prints the symbol `\not` on the following argument. Unlike `\not` the symbol is horizontally centered.

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The **chemarr** package

Abstract

Very often chemists need a longer version of reaction arrows (`\rightleftharpoons`) with the possibility to put text above and below. Analogous to `amsmath`'s `\xrightarrow` and `\xleftarrow` this package provides the macro `\xrightleftharpoons`.

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The `classlist` package

Abstract

This package records the loaded classes and stores them in a list.

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The `colonequals` package

Abstract

Package `colonequals` defines poor man's symbols for math relation symbols such as "colon equals". The colon is centered around the horizontal math axis.

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The dvipscol package

Abstract

Color support for dvips in dvips.def involves the color stack of dvips. The package tries to remove unnecessary uses of the stack to avoid the error “out of coor stack space”.

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The `embedfile` package

Abstract

This package embeds files to a PDF document. Currently the only supported driver is pdfTEX ≥ 1.30 in PDF mode.

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The `engord` package

Abstract

The package generates the suffix of English ordinal numbers. It can be used with plain and L^AT_EX formats.

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The `enparen` package

Abstract

The package defines macros to set parentheses that automatically change the symbols from inner to outer fences.

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The `eolgrab` package

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The `epstopdf` package

Abstract

This packages adds support of handling eps images to package `graphics` or `graphicx` with option `pdftex`. If an eps image is detected, `epstopdf` is automatically called to convert it to pdf format.

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The `etexcmds` package

Abstract

New primitive commands are introduced in ε -T_EX. Sometimes the names collide with existing macros. This package solves this name clashes by adding a prefix to ε -T_EX's commands. For example, ε -T_EX's `\unexpanded` is provided as `\etex@unexpanded`.

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| 2 Implementation | 2 |
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The **fibnum** package

Abstract

The package **fibnum** provides expandable fibonacci numbers for both L^AT_EX and plain T_EX.

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The `flags` package

Abstract

Package `flags` allows the setting and clearing of flags in bit fields and converts the bit field into a decimal number. Currently the bit field is limited to 31 bits.

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| 1.2 Requirements | 2 |
| 1.3 ToDo | 2 |
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The `getttitlestring` package

Abstract

The L^AT_EX package addresses packages that are dealing with references to titles (`\section`, `\caption`, ...). The package tries to remove `\label` and other commands from title strings.

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| 2 Implementation | 2 |
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The `grfext` package

Abstract

This package provides macros for adding and reordering graphics extensions of package `graphics`.

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The grffile package

Abstract

The package extends the file name processing of package `graphics` to support a larger range of file names. For example, the file name may contain several dots. Or in case of pdfTeX in PDF mode the file name may contain spaces.

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The **hobsub** package

Abstract

Package **hobsub** implements the idea of loading several packages in one big collection package.

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The `hologo` package

Abstract

This package starts a collection of logos with support for bookmarks strings.

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The `holtxdoc` package

Abstract

The package is used for the documentation of my packages in DTX format.
It contains some private macros and setup for my needs. Thus do not use it.
I have separated the part that may be useful for others in package `hypdoc`.

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| 2.3 Date | 2 |
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The **hopatch** package

Abstract

This packages provides a wrapper to various package hooks provided by other packages or classes, but does not define own hooks.

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The **hycolor** package

Abstract

Package **hycolor** implements the color option stuff that is used by packages **hyperref** and **bookmark**. It is not intended as package for the user.

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| 1.1 Summary | 2 |
| 2 Implementation | 3 |
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The `hypbmsec` package

Abstract

This package expands the syntax of the sectioning commands. If the argument of the sectioning commands isn't usable as outline entry, a replacement for the bookmarks can be given.

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The **hypcap** package

Abstract

This package tries a solution of the problem with hyperref, that links to floats points below the caption and not at the beginning of the float. Therefore this package divides the task into two part, the link setting with \capstart or automatically at the beginning of a float and the rest in the \caption command.

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The `hypdestopt` package

Abstract

Package `hypdestopt` supports `hyperref`'s `pdftex` driver. It removes unnecessary destinations and shortens the destination names or uses numbered destinations to get smaller PDF files.

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The `hypdoc` package

Abstract

This package adds hyper features to the package `doc` that is used in the documentation system of L^AT_EX 2 _{ε} . Bookmarks are added and references are linked as far as possible.

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The **hypgtoe** package

Abstract

Experimental package for links to embedded files.

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The `hyphsubst` package

Abstract

A TeX format file may include alternative hyphenation patterns for a language with a different name. If the naming convention follows babel's rules, then the hyphenation patterns for a language can be replaced by the alternative hyphenation patterns, provided in the format file.

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The **ifdraft** package

Abstract

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The `iolang` package

Abstract

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The `ifluatex` package

Abstract

This package looks for LUATEX regardless of its mode and provides the switch `\ifluatex`. Also it makes `\luatexversion` available if it is not present. It works with plain-TEX or LATEX.

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The `ifpdf` package

Abstract

This package looks for pdFTEX in pdf mode and implements and sets the switch `\ifpdf`. The detection is based on `\pdfoutput` and the package will not change this value. It works with plain or L^AT_EX formats.

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The `ifvtex` package

Abstract

This package looks for VTeX, implements and sets the switches `\ifvtex`, `\ifvtex<mode>`, `\ifvtexgex`. It works with plain or L^AT_EX formats.

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The `infwarerr` package

Abstract

This package provides a complete set of macros for informations, warnings and error messages with support for plain-T_EX.

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The `inputenx` package

Abstract

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The `intcalc` package

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The `kvdefinekeys` package

Abstract

Package `kvdefinekeys` provides `\kv@define@key` to define keys the same way as `keyval`'s `\define@key`. However, it works also using ini-TeX.

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The `kvoptions` package

Abstract

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The `kvsetkeys` package

Abstract

Package `kvsetkeys` provides `\kvsetkeys`, a variant of package `keyval`'s `\setkeys`. It allows to specify a handler that deals with unknown options. Active commas and equal signs may be used (e.g. see `babel`'s shorthands) and only one level of curly braces is removed from the values.

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The `letltxmacro` package

Abstract

TeX's `\let` assignment does not work for L^AT_EX macros with optional arguments or for macros that are defined as robust macros by `\DeclareRobustCommand`. This package defines `\LetLtxMacro` that also takes care of the involved internal macros.

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The `listingsutf8` package

Abstract

Package `listings` does not support files with multi-byte encodings such as UTF-8. In case of `\lstinputlisting` a simple workaround is possible if an one-byte encoding exists that the file can be converted to. Also ε -`TEX` and `pdfTEX` regardless of its mode are required.

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The `ltxcmds` package

Abstract

The package `ltxcmds` exports some utility macros from the L^AT_EX kernel into a separate namespace and also provides them for other formats such as plain-T_EX.

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The luacolor package

Abstract

Package luacolor implements color support based on LUATEX's node attributes.

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The `luatex` package

Abstract

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The `magicnum` package

Abstract

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The `makerobust` package

Abstract

Package `makerobust` provides `\MakeRobustCommand` that converts an existing macro to a robust one.

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The **mleftright** package

Abstract

TeX sets subformulas by `\left` and `\right` as inner formulas with additional surrounding spaces in some situations. This package provides `\mleft` and `\mright` that call `\left` and `\right`, but the delimiters will act as normal `\mathopen` and `\mathclose` delimiters without the additional space of an inner formula.

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The **pagegrid** package

Abstract

The L^AT_EX package prints a page grid in the background.

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The **pagesel** package

Abstract

Single pages or page areas can be selected for output.

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The **pdfcol** package

Abstract

Since version 1.40 pdfTEX supports color stacks. The driver file `pdftex.def` for package `color` defines and uses a main color stack since version v0.04b. Package `pdfcol` is intended for package writers. It defines macros for setting and maintaining new color stacks.

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The **pdfcolfoot** package

Abstract

Since version 1.40 pdfTeX supports several color stacks. This package uses a separate color stack for footnotes that can break across pages.

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The **pdfcolmk** package

Abstract

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The **pdfcolparallel** package

Abstract

This packages fixes bugs in `parallel` and improves color support by using several color stacks that are provided by pdfTEX since version 1.40.

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The `pdfcolparcolumns` package

Abstract

Since version 1.40 pdfTeX supports several color stacks. This package uses them to fix color problems in package `parcolumns`.

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The **pdfcrypt** package

Abstract

This package supports the setting of pdf encryption options for VTeX and some older versions of pdfTeX.

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The `pdfescape` package

Abstract

This package implements pdf \TeX 's escape features (`\pdfescapehex`, `\pdfunescapehex`, `\pdfescapename`, `\pdfescapestring`) using \TeX or $\varepsilon\text{-}\text{\TeX}$.

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The `pdflscape` package

Abstract

Package `pdflscape` adds PDF support to the environment `landscape` of package `lscape` by setting the PDF page attribute `/Rotate`.

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The `pdfrender` package

Abstract

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The `pdftexcmds` package

Abstract

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The `picture` package

Abstract

There are macro and environment arguments that expect numbers that will internally be multiplicated with `\unitlength`. This package extends the syntax of these arguments that dimens with calculation support can be added for these arguments.

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The `pmbboxdraw` package

Abstract

Package `pmbboxdraw` declares box drawings characters of old code pages, e.g. cp437. It uses rules instead of using a font.

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The `protecteddef` package

Abstract

This packages provides `\ProtectedDef` for defining robust macros for both plain `TeX` and `LATEX`. First ε -`TeX`'s `\protected` is tried, then `LATEX`'s `\DeclareRobustCommand` is used. Otherwise the macro is not made robust.

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The `refcount` package

Abstract

References are not numbers, however they often store numerical data such as section or page numbers. `\ref` or `\pageref` cannot be used for counter assignments or calculations because they are not expandable, generate warnings, or can even be links. The package provides expandable macros to extract the data from references. Packages `hyperref`, `nameref`, `titleref`, and `babel` are supported.

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The `rerunfilecheck` package

Abstract

The package provides additional rerun warnings if some auxiliary files have changed. It is based on MD5 checksum, provided by pdfTeX.

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The `resizegather` package

Abstract

Equations that are too large are resized to fit the available space. The environment `gather` of package `amsmath` is supported. Also the environments `equation` and `displaymath` are redefined using `gather` and its starred version.

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The `rotchiffre` package

Abstract

This package implements chiffres ROT13 with its variants ROT5, ROT18, and ROT47.

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The `scrindex` package

Abstract

This package redefines environment ‘theindex’ of package `index`, if a class from KOMA-Script is loaded. Also option `idxtotoc` is supported. Index preambles can be given either by means of package `index` or via the interface provided by KOMA-Script.

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The `selinput` package

Abstract

This package selects the input encoding by specifying between input characters and their glyph names.

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The `setouterhbox` package

Abstract

If math stuff is set in an `\hbox`, then TeX performs some optimization and omits the implicit penalties `\binoppenalty` and `\relpenalty`. This package tries to put stuff into an `\hbox` without getting lost of those penalties.

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The `settobox` package

Abstract

Commands are defined for getting box sizes similar to L^AT_EX's `\settowidth` commands.

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The `soulutf8` package

Abstract

This package extends package `soul` and adds some support for UTF-8. Namely the input encodings `utf8.def` from package `inputenc` and package `ucs`'s `utf8x.def` are supported.

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The `stackrel` package

Abstract

This package adds an optional argument to `\stackrel` for putting something below the relational symbol and defines `\stackbin` for binary symbols.

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The `stampinclude` package

Abstract

The package replaces `\includeonly` and selects the files for `\include` by inspecting the time stamp of the `.aux` file. The file is selected for inclusion if the `.aux` file does not yet exist or is older than the corresponding `.tex` file.

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The `stringenc` package

Abstract

This package provides `\StringEncodingConvert` for converting a string between different encodings. Both L^AT_EX and plain-T_EX are supported.

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The `tabularht` package

Abstract

This package defines some environments that adds a height specification to tabular and array.

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The **tabularkv** package

Abstract

This package adds a key value interface for tabular by the new environment **tabularkv**. Thus the TeX source code looks better by named parameters, especially if package **tabularht** is used.

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The **telprint** package

Abstract

Package **telprint** provides \telprint for formatting German phone numbers.

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The `thepdfnumber` package

Abstract

The package converts real numbers to a minimal representation that is stripped from leading or trailing zeros, plus signs and decimal point if not necessary.

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The **transparent** package

Abstract

Since version 1.40 pdfTeX supports several color stacks. This package shows, how a separate color stack can be used for transparency, a property besides color.

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The `twoopt` package

Abstract

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| [2006/02/20 v1.4] | | 6 |
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The `uniquecounter` package

Abstract

This package provides a kind of counter that provides unique number values. Several counters can be created by different names. The numeric values are not limited.

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The `zref` package

Abstract

Package `zref` tries to get rid of the restriction in L^AT_EX's reference system that only two properties are supported. The package implements an extensible referencing system, where properties are handled in a more flexible way. It offers an interface for macro programmers for the access to the system and some applications that uses the new reference scheme.

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