

The l3pdf package

Core PDF support

The L^AT_EX3 Project*

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1 l3pdf documentation

1.1 Objects

\pdf_object_new:nn

New: 2019-06-02

\pdf_object_new:nn $\{\langle object \rangle\}$ $\{\langle type \rangle\}$

Declares $\langle object \rangle$ as a PDF object of $\langle type \rangle$, which should be one of

- `array`
- `dict`
- `fstream`
- `stream`

The object may be referenced from this point on, and written later using `\pdf_object_write:nn`.

\pdf_object_if_exist_p:n *

\pdf_object_if_exist:nTF *

New: 2020-05-15

\pdf_object_if_exist_p:n $\{\langle object \rangle\}$

\pdf_object_if_exist:nTF $\{\langle object \rangle\}$

Tests whether an object with name $\{\langle object \rangle\}$ has been defined.

\pdf_object_write:nn

\pdf_object_write:nx

New: 2019-06-02

\pdf_object_write:nn $\{\langle object \rangle\}$ $\{\langle content \rangle\}$

Writes the $\langle content \rangle$ as content of the $\langle object \rangle$. Depending on the $\langle type \rangle$ declared for the object, the format required for the $\langle data \rangle$ will vary

array A space-separated list of values

dict Key-value pairs in the form $/\langle key \rangle \langle value \rangle$

fstream Two brace groups: $\langle file\ name \rangle$ and $\langle file\ content \rangle$

stream Two brace groups: $\langle attributes\ (dictionary) \rangle$ and $\langle stream\ contents \rangle$

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<hr/> <code>\pdf_object_ref:n</code> *	<code>\pdf_object_ref:n {<object>}</code>
<hr/> New: 2019-06-02	Inserts the appropriate information to reference the <i><object></i> in for example page resource allocation
<hr/> <code>\pdf_object_now:nn</code> <code>\pdf_object_now:nx</code>	<code>\pdf_object_now:nn {<type>} {<content>}</code>
<hr/> New: 2019-06-02	Writes the <i><content></i> as content of an anonymous object. Depending on the <i><type></i> , the format required for the <i><data></i> will vary

array A space-separated list of values

dict Key-value pairs in the form */<key> <value>*

fstream Two brace groups: *<file name>* and *<file content>*

stream Two brace groups: *<attributes (dictionary)>* and *<stream contents>*

<hr/> <code>\pdf_object_last:</code> *	<code>\pdf_object_last:</code>
<hr/> New: 2019-06-02	Inserts the appropriate information to reference the last <i><object></i> created. This is particularly useful for anonymous objects.

1.2 Version

<hr/> <code>\pdf_version_compare_p:Nn</code> *	<code>\pdf_version_compare:NnTF <comparator> {<version>} {<true code>} {<false code>}</code>
<hr/> <code>\pdf_version_compare:NnTF</code> *	
<hr/> New: 2019-06-02	

Compares the version of the PDF being created with the *<version>* string specified, using the *<comparator>*. Either the *<true code>* or *<false code>* will be left in the output stream.

<hr/> <code>\pdf_version_gset:n</code>	<code>\pdf_version_gset:n {<version>}</code>
<hr/> <code>\pdf_version_min_gset:n</code>	Sets the <i><version></i> of the PDF being created. The <code>min</code> version will not alter the output version unless it is currently lower than the <i><version></i> requested.
<hr/> New: 2019-06-02	This function may only be used up to the point where the PDF file is initialised.

<hr/> <code>\pdf_version:</code> *	<code>\pdf_version:</code>
<hr/> <code>\pdf_version_major:</code> *	Expands to the currently-active PDF version.
<hr/> <code>\pdf_version_minor:</code> *	
<hr/> New: 2019-06-02	

1.3 Compression

<hr/> <code>\pdf_uncompress:</code>	<code>\pdf_uncompress:</code>
<hr/> New: 2019-06-02	Disables any compression of the PDF, where possible.
	This function may only be used up to the point where the PDF file is initialised.

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\pdf_object_last:	<i>2</i>
\pdf_object_new:nn	<i>1</i>
\pdf_object_now:nn	<i>2</i>
\pdf_object_ref:n	<i>2</i>
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