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The ifpdf Package*

LaTeX3 project

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1 Introduction

A re-implementation of Heiko Oberdiek's `ifpdf` package with simplified structure and updated to work with current LuaTeX.

The package defines a new boolean, `\ifpdf` which is true for pdfTeX and LuaTeX in PDF mode, and false otherwise.

2 Implementation

```
1 <*package>
2
3 If \ifpdf is not defined define it, taking care that it is outer in plain TeX.
4 \expandafter\ifx\csname ifpdf\endcsname\relax
5 \csname newif\expandafter\endcsname\csname ifpdf\endcsname
6 \else
7
8 If \ifpdf is already defined but \pdftrue is not defined give up.
9 \ifx\pdftrue\undefined
10 \ifx\PackageError\undefined
11 \begingroup\def\PackageError#1#2#3{\endgroup\errmessage{#2}}
12 \fi
13 \PackageError{ifpdf}{incompatible ifpdf definition}{}
14 \expandafter\expandafter\expandafter
15 \fi
16 \fi
17
18 Otherwise set the boolean to false unless pdfoutput (outputmode) is greater than
19 zero. For LuaTeX, do the test in Lua as the tex primitives may not be enabled,
20 and the primitive name may be \pdfoutput or \outputmode depending on the
21 LuaTeX version number.
22 \let\ifpdf\iffalse
23 \ifx\directlua\undefined
24
25 Not LuaTeX.
```

*This file has version number v3.1, last revised 2016/05/14. Please report any issues at <https://github.com/ho-tex/oberdiek/issues>

```

15 \begingroup\expandafter\expandafter\expandafter\endgroup
16 \expandafter\ifx\csname pdfoutput\endcsname\relax
17 \else
18   \ifnum\pdfoutput>0 %
19     \pdftrue
20   \fi
21 \fi
22 \else
23   LuaTeX.
24   \directlua{%
25     if (tex.outputmode or tex.pdfoutput or 0) > 0 then
26       tex.print('\string\pdftrue')
27     }
28   \fi
29 \endpackage

```