The ifetex Package

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CTAN: http://www.ctan.org/pkg/ifetex

VC: https://bitbucket.org/martin_scharrer/ifetex

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Abstract

This small package provides the if-switch **\ifetex** which indicated whether ε-TeX is available or not.

1 Usage

The package can be loaded as LaTeX package using **\usepackage**{ifetex} or in plainTeX using **\input** ifetex. In both cases it aborts silently if the **\ifetex** macro is already defined.

The package currently test if **\eTeXversion** is defined as a primitive and assumes ε-TeX if so.

Note that almost all modern LaTeX distributions use ε-TeX. The two major distributions TeX Live and MikTeX support it and use it by default (except for the classic tex). The LaTeX which comes with *Scientific Work Place* by MacKichan seems to not support ε-TeX yet. Package authors can use this package to test for missing ε-TeX and provide fall-back code.

2 Implementation

2.1 `ifetex.sty`

```
1 %<!COPYRIGHT>
2 \ProvidesPackage{ifetex}[%
3 %<!DATE>
4 %<!VERSION>
5 %<*DRIVER>
6     2099/01/01 develop
7 %</DRIVER>
8     ifetex]

9 \@@input ifetex
```

2.2 `ifetex.tex`

Abort if **`\ifetex`** is already defined.

```
11  \expandafter\ifx\csname ifetex\endcsname\relax\else
12      \expandafter\endinput
13  \fi
```

> **`ifetex`**

Checks if **`\eTeXversion`** is a primitive.

```
14  \begingroup
15  \edef\tempa{\meaning\eTeXversion}%
16  \edef\tempb{\string\eTeXversion}%
17  \ifx\tempa\tempb
18      \endgroup
19      \expandafter\let\csname ifetex\expandafter\⁄
            endcsname\csname iftrue\endcsname
20  \else
21      \endgroup
22      \expandafter\let\csname ifetex\expandafter\⁄
            endcsname\csname iffalse\endcsname
23  \fi
```