

The ifxetex package

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1 User documentation

This package provides a way to check if a document is being processed with X_YTeX. It may be loaded with

```
\usepackage{ifxetex}  for LATEX, or
\input ifxetex.sty    for Plain TEX.
```

This defines the conditional `\ifxetex` that is used in the standard way:

```
\ifxetex
  <material for XYTeX>
\else
  <material not for XYTeX>
\fi
```

Users of L^AT_EX's ifthen package can also use it as `\boolean{xetex}`:

```
\ifthenelse{ \boolean{xetex} }{%
  <material for XYTeX>
}%
<material not for XYTeX>
}
```

Finally, the `\RequireXeTeX` command tests for X_YTeX use and throws an error if a different engine is being used. This is used for packages like `fontspec` that take advantage of X_YTeX's new features and cannot be used otherwise.

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2 *Implementation*

LaTeX2e file 'ifxetex.sty' generated by the 'filecontents' environment from source 'ifxetex' on 2008/09/18.

Ensure loading a single time only

```
1 \csname ifxetexloaded\endcsname
2 \let\ifxetexloaded\endinput
```

Declare ourselves to \LaTeX

```
3 \expandafter\ifx\csname ProvidesPackage\endcsname\relax\else
4   \ProvidesPackage{ifxetex}
5   [2008/09/18 v0.4 Provides ifxetex conditional]
6 \fi
```

Create, if necessary, the \ifxetex conditional

```
7 \expandafter\ifx\csname ifxetex\endcsname\relax
\ifxetex 8   \newif\ifxetex
9 \fi
```

Set \ifxetex accordingly

```
10 \expandafter\ifx\csname XeTeXrevision\endcsname\relax
11   \xetexfalse
12 \else
13   \xetextrue
14 \fi
```

For Xe \LaTeX -exclusive packages

```
\RequireXeTeX 15 \def\RequireXeTeX{%
16   \ifxetex\else
17     \begingroup
18       \errorcontextlines=-1\relax
19       \newlinechar=10\relax
20       \errmessage{^^J
21         *****^^J
22         * XeTeX is required to compile this document.^^J
23         * Sorry!^^J
24         *****}%
25     \endgroup
26   \fi}
```

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