The **iftex** Package

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Version 0.1

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1   Introduction

This package provides a way to check if a document is being processed with PDFTEX, or XeTEX, or LuaTEX.

2   Loading The Package

The package can be loaded in the usual way both in Plain TEX and LATEX.

2.1 Loading The Package in Plain TeX

```
\input   iftex.sty
```

2.2 Loading The Package in LaTeX

```
\usepackage{iftex}
```

3 Defined Conditionals

3.1 For PDFTeX

```
\ifPDFTeX
    ⟨material for PDFTeX⟩
\else
    ⟨material not for PDFTeX⟩
\fi
```

3.2 For XeTeX

```
\ifXeTeX
    ⟨material for XeTeX⟩
\else
    ⟨material not for XeTeX⟩
\fi
```

3.3 For LuaTeX

```
\ifLuaTeX
    ⟨material for LuaTeX⟩
\else
    ⟨material not for LuaTeX⟩
\fi
```

4 Defined Commands

4.1 For PDFTeX

```
\RequirePDFTeX
```

This command tests for PDFTeX use and throws an error if a different engine is being used.

4.2 For XeTeX

```
\RequireXeTeX
```

This command tests for XeTeX use and throws an error if a different engine is being used.

4.3 For LuaTeX

```
\RequireLuaTeX
```

This command tests for LuaTeX use and throws an error if a different engine is being used.