The \texttt{iftex} Package

\url{https://github.com/persian-tex/iftex}

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1 Introduction

This package provides a way to check if a document is being processed with PDF\TeX, or Xe\TeX, or Lua\TeX.

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 \texttt{PDFTeX}
\begin{verbatim}
\ifPDFTeX
\langle material for PDFTeX \rangle
\else
\langle material not for PDFTeX \rangle
\fi
\end{verbatim}

3.2 For \texttt{XeTeX}
\begin{verbatim}
\ifXeTeX
\langle material for XeTEX \rangle
\else
\langle material not for XeTEX \rangle
\fi
\end{verbatim}

3.3 For \texttt{LuaTeX}
\begin{verbatim}
\ifLuaTeX
\langle material for LuaTEX \rangle
\else
\langle material not for LuaTEX \rangle
\fi
\end{verbatim}

4 Defined Commands
4.1 For \texttt{PDFTeX}
\begin{verbatim}
\RequirePDFTeX
\end{verbatim}
This command tests for PDFTeX use and throws an error if a different engine is being used.

4.2 For \texttt{XeTeX}
\begin{verbatim}
\RequireXeTeX
\end{verbatim}
This command tests for Xe\TeX use and throws an error if a different engine is being used.
4.3 For \texttt{Lua\TeX}

\texttt{\textbackslash RequireLuaTeX}

This command tests for \texttt{Lua\TeX} use and throws an error if a different engine is being used.