1 Introduction

XITS is Times-like font for scientific publishing with support for mathematical typesetting. It has wide coverage of Latin, Greek and Cyrillic scripts, as well as extensive coverage of Unicode symbols used in mathematics and other fields of science. XITS supports also proper mathematical typesetting and can be used to typeset complex mathematical equations in modern T_EX engines, namely LuaT_EX and X_HT_EX, as well as Microsoft Office starting from 2007 version.

XITS is available as an OpenType font, in four styles; regular, bold, italic and bold italics, besides the maths font.

2 Font features

XITS supports	the following	OpenType f	eatures:

feature	Description	
All fonts		
kern	Kerning	
liga	Ligatures	
onum	Oldstyle numbers	
frac	Diagonal fractions	
The maths j	font, spports additional features	
ss01	Mathematical Calligraphic Alphabet	
ss02	Mathematical Greek Sans Serif Alphabet	
ss03	Mathematical Italic Sans Serif Digits	
ss04	Mathematical Bold Monospace Digits	
ss05	Mathematical Bold Double-Struck Alphabet	
ss06	Mathematical Italic Double-Struck Alphabet	
ss07	Mathematical Bold Italic Double-Struck Alphabet	
ss08	Upright Integrals	

3 Installation

3.1 ConT_EXt

ConT_EXt MkIV are needed for using the math font, text fonts can be used with either MkIV or MkII with $X_{\Xi}T_{E}X$ engine, MkII with pdfT_EX is not supported.

Recent versions of ConT_EXt already have typescripts for XITS, so just installing the fonts into TEXMF tree is enough.

3.2 LATEX

A modern T_EX engine with Unicode and OpenType support is needed, namely Lua T_EX or X_TEX . In addition to fontspec package, unicode-math is needed for using XITS fonts in math mode.

If you are using LuaT_EX then you can either install the fonts OS wide or in TEXMF tree. If you are using $X_{\text{HE}}X$ then you need to either install fonts OS wide, or adapt your fontconfig configuration to look for for fonts installed under TEXMF tree, otherwise you will not be able to access fonts by font name.

3.3 MS Office

MS Office 2007 or newer is required, the fonts can be installed the regular way.

4 Usage

4.1 LATEX

4.1.1 Examples

```
\documentclass{article}
\usepackage{unicode-math}
\setmainfont{XITS}
\setmathfont{XITS Math}
```

```
\begin{document}
Text $x+y=\sqrt{z}$
```

\end{document}

4.2 ConTEXt

4.2.1 Examples

\setupbodyfont[xits]

\starttext
Text \$x+y=\sqrt{z}\$
\stoptext