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 TeX engines, namely LuaTeX and XƎTeX, 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 features:

feature	Description
All fonts	
kern	Kerning
liga	Ligatures
onum	Oldstyle numbers
frac	Diagonal fractions
The maths 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
ss09	Negated Symbols With Vertical Stroke

3 Installation

3.1 ConTEXt

ConTEXt MkIV are needed for using the math font, text fonts can be used with either MkIV or MkII with XƎTEX engine, MkII with pdfTEX is not supported.
Recent versions of ConTEXt already have typescripts for XITS, so just installing the fonts into TEXMF tree is enough.

3.2 LaTEX

A modern TEX engine with Unicode and OpenType support is needed, namely LuaTEX or XƎTEX. In addition to fontspec package, unicode-math is needed for using XITS fonts in math mode.
If you are using LuaTEX then you can either install the fonts OS wide or in TEXMF tree. If you are using XƎTEX 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, please refere to Microsoft's **Installing fonts on Windows** for general font instalation instruction.

4 Usage

4.1 LaTEX

4.1.1 Examples

```latex
\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
```