

Linotype Palatino Truetype Fonts

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1 Introduction

This font pack provides L^AT_EX support files for Linotype Palatino Truetype font family. The features in this font pack are:

- [Standard font set](#),
- [SC/OsF \(Small Caps/Old style Figures\) font set](#),
- [Expert font set](#),
- [Special ligature font set](#), and
- [Unicode font set](#).

The first three font sets are based on Malte Rosenau's `lpl.zip` Texmf tree, and we have added two map files to his for supporting `dvips/dvipdfm`¹ and `dvipdfmx`. Finally we have included special ligature font and unicode font set.

colored Note: You need Linotype Palatino truetype font family (version 1.15) from Windows 2000, not from Windows XP

2 Installation for MiKTeX

1. Unpack `palatino.zip` in the `/localtexmf` directory.
2. Copy the encoding file in `/localtexmf/ttf2pk_imsi` to `/texmf/ttf2pk/base`.
3. Copy the contents of `ttfonts.map` in `/localtexmf/ttf2pk_imsi` and paste them to `ttfonts.map` in `/texmf/ttf2pk/base`.
4. Delete `/localtexmf/ttf2pk_imsi` directory.
5. Open `dvipdfmx.cfg` in `/texmf/dvipdfm/config` directory and add "`f cid-lpl.map`".
6. Add a line "`map +lpl.map`" to the file `pdftex.cfg` in `/texmf/pdftex/config` directory.
7. Refresh file name database and issue a command in DOS: `initexmf -mkmaps -u`.

3 Standard, SC/OsF, and Expert Font Sets

3.1 Preamble

You can use Linotype Palatino with `pxfonts` or `mathpazo` font.

¹You should remember that these two use PK fonts rendered from the outline truetype fonts.

```

\usepackage{pxfonts or mathpazo}
\usepackage[T1]{fontenc}
\usepackage{textcomp}
\renewcommand{\rmdefault}{lpl or lplx or lplj}

```

where `lpl` for standard font set, `lplx` for expert font set, and `lplj` for SC/OsF font set. SC (Small Caps) are available to all three font sets. You can also use Linotype Palatino with `eulervm`.

```

\usepackage[T1]{fontenc}
\usepackage{textcomp}
\renewcommand{\rmdefault}{lpl or lplx or lplj}
\usepackage[small]{eulervm}

```

3.2 Standard Font Set

`lpl/m/n` (Regular): The brown fox jumps over the lazy dog. 0123456789.

`lpl/m/it` (Italic): *The brown fox jumps over the lazy dog.* 0123456789.

`lpl/m/sc` (SmallCaps): THE BROWN FOX JUMPS OVER THE LAZY DOG. 0123456789.

`lpl/b/n` (Bold): **The brown fox jumps over the lazy dog.** 0123456789.

`lpl/b/it` (Bold Italic): ***The brown fox jumps over the lazy dog.*** 0123456789.

`lpl/b/sc` (Bold SmallCaps): **THE BROWN FOX JUMPS OVER THE LAZY DOG.** 0123456789.

3.3 SC/OsF Set

`lplj/m/n` (Regular): The brown fox jumps over the lazy dog. 0123456789.

`lplj/m/it` (Italic): *The brown fox jumps over the lazy dog.* 0123456789.

`lplj/m/sc` (SmallCaps): THE BROWN FOX JUMPS OVER THE LAZY DOG. 0123456789.

`lplj/b/n` (Bold): **The brown fox jumps over the lazy dog.** 0123456789.

`lplj/b/it` (Bold Italic): ***The brown fox jumps over the lazy dog.*** 0123456789.

`lplj/b/sc` (Bold SmallCaps): **THE BROWN FOX JUMPS OVER THE LAZY DOG.** 0123456789.

3.4 Expert Font Set

`lplx/m/n` (Regular): The brown fox jumps over the lazy dog. 0123456789.

`lplx/m/it` (Italic): *The brown fox jumps over the lazy dog.* 0123456789.

`lplx/m/sc` (SmallCaps): THE BROWN FOX JUMPS OVER THE LAZY DOG. 0123456789.

`lplx/b/n` (Bold): **The brown fox jumps over the lazy dog.** 0123456789.

`lplx/b/it` (Bold Italic): ***The brown fox jumps over the lazy dog.*** 0123456789.

`lplx/b/sc` (Bold SmallCaps): **THE BROWN FOX JUMPS OVER THE LAZY DOG.** 0123456789.

3.5 Slanted?

Only `dvipdfmx` can handle *fake* slanted fonts. See the following examples:

`lpl/b/sl` (Bold slanted): ***The brown fox jumps over the lazy dog.*** 0123456789.

`lplj/m/sl` (Slanted): *The brown fox jumps over the lazy dog.* 0123456789.

4 Special Ligature Font Set

4.1 Preamble

One standard ligature (“fj” for fjord) and three discretionary ligatures (“ct”, “sp”, “st”) are added to the SC/OsF font set.

```
\usepackage{pxfonts or mathpazo}  
\usepackage[T1]{fontenc}  
\usepackage{textcomp}  
\renewcommand{\rmdefault}{lpljw}
```

4.2 SC/OsF Set with Special Ligatures

lpljw/m/n (Regular): The brown fox jumps over the lazy dog. 0123456789. fj ct sp st.

lpljw/m/it (Italic): *The brown fox jumps over the lazy dog. 0123456789. fj ct sp st.*

lpljw/m/sc (SmallCaps): THE BROWN FOX JUMPS OVER THE LAZY DOG. 0123456789.

lpljw/b/n (Bold): **The brown fox jumps over the lazy dog. 0123456789. fj ct sp st.**

lpljw/b/it (Bold Italic): ***The brown fox jumps over the lazy dog. 0123456789. fj ct sp st.***

lpljw/b/sc (Bold SmallCaps): **THE BROWN FOX JUMPS OVER THE LAZY DOG. 0123456789.**

5 Unicode Font Set

5.1 Preamble

To typeset characters outside the T1-encoded region, you need the unicode font set. You can load as many unicode font sets as you can, but the lately loaded unicode font set is the default for unicode typesetting.

```
% Loading Unicode font set  
\usepackage[utf8]{inputenc}  
\usepackage{tffucs} % Cheong's tffucs package  
\DeclareTruetypeFont{ulpli}  
\DeclareTruetypeFont{ulplb}  
\DeclareTruetypeFont{ulplbi}  
\DeclareTruetypeFont{ulpl}  
  
% Loading Standard, SC/OsF, Expert, or Special Ligature  
% font set for T1-encoded region.  
\usepackage{pxfonts}  
\usepackage[T1]{fontenc}  
\usepackage{textcomp}  
\renewcommand{\rmdefault}{lpljw}
```

To activate the unicode font set, use `\TruetypeFont{font_set_name}` macro defined in `tffucs.sty`. In some case, for example in Vietnamese, you may need `\emph{}` and/or `\emph{\textbf{}}` together in order to get the right typeface effect.

5.2 Greek – Italic

Some lines of Odysseus Elytis:

*Τη γλώσσα μου έδωσαν ελληνική το σπίτι φτωχικό στις αμμονδιές του Ομήρου.
Μονάχη έγνοια η γλώσσα μου στις αμμονδιές του Ομήρου.*

5.3 Russian – Bold

The first stanza of Pushkin's Bronze Horseman:

**На берегу пустынных волн Стоял он, дум великих полн, И вдаль глядел.
Пред ним широко Река неслася; бедный чёлн По ней стремился одиноко.
По мшистым, топким берегам Чернели избы здесь и там, Приют убогого
чухонца; И лес, неведомый лучам В тумане спрятанного солнца, Кругом
шумел.**

5.4 Vietnamese – Regular

Vietnamese translation of George Orwell's 1984:

Đó là một ngày tháng tư sáng lạnh, vừa lúc đồng hồ điểm trưa. Cầm rứt xuống ngực để mong tránh gió ác, Winston nhanh qua cửa kính của khu Nhà Chiến Thắng nhưng không để ngăn một luồng bụi cát lùa vào theo anh.

5.5 Vietnamese – BoldItalic

Vietnamese translation of George Orwell's 1984:

Đó là một ngày tháng tư sáng lạnh, vừa lúc đồng hồ điểm trưa. Cầm rứt xuống ngực để mong tránh gió ác, Winston nhanh qua cửa kính của khu Nhà Chiến Thắng nhưng không để ngăn một luồng bụi cát lùa vào theo anh.

6 Problems and To Do

- For Vietnamese dvipdfmx is not working.
- Add superior (⁰¹²) and inferior (₀₁) numbers.