

# Support package for PT Sans

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## 1 Introduction

This package contains the LaTeX support for the font PT Sans developed by ParaType for the project *Public Types of Russian Federation* and released under an open user license. The font was designed by Alexandra Korolkova, Olga Umpeleva and Vladimir Yefimov. For more information see the web-site of [ParaType](http://paratype.ru).

PT Sans has four basic styles: regular, **bold**, *italic*, **bold italic**; two narrow styles: narrow, **narrow bold**, and two caption styles: **caption** and **caption bold**. The font covers standard Western, Central European and Cyrillic code pages and contains also characters of all title languages of Russian Federation.

This package supports encodings T1, OT1, IL2, TS1, T2A, T2B, T2C and X2. If there is some important encoding missing, let me know and I will try to add it to some future release.

The fonts are included in the original TrueType format and in the converted Type 1 format. Font PT Sans can be used together with the font PT Serif.

## 2 License

The font PT Sans is licensed under Paratype Free Font License (the license is included).

The fonts in TrueType format are original files provided by ParaType. The fonts in Type 1 format are not original files. They were converted by me using FontForge and may be distributed for T<sub>E</sub>X only. The distribution of these converted fonts was kindly allowed by ParaType.

All the support files are licensed under L<sup>A</sup>T<sub>E</sub>X Project Public License, either version 1.3 of this license or (at your option) any later version.

## 3 Implementation

The package was created using *fonttools* but with some changes.

The prefix of the encoding files was changed from *a\_* to *ptsans\_* to avoid name clashes.

The style files created by *fonttools* required the package *fontenc* with all supported encodings. This might be a problem (for example if the encoding IL2 is not installed). Moreover the font has only tabular lining figures and therefore it does not need any extra support. That is why I created much simpler style files.

There are two map-files that you can use for the installation of the fonts with *updmap*: *PTSans-truetype.map* and *PTSans-type1.map*. You should use just one of them. The file *PTSans-type1.map* is a safe choice and you will get the full power of T<sub>E</sub>X. If you just want to create PDF files with pdfT<sub>E</sub>X or pdfL<sup>A</sup>T<sub>E</sub>X you can use the file *PTSans-truetype.map* and the original TrueType fonts will be used.

## 4 Using the Package

There are three families PTSans-TLF, PTSansNarrow-TLF and PTSansCaption-TLF that you can set with packages PTSans, PTSansNarrow and PTSansCaption. You must explicitly use the package *fontenc* or *textcomp* (if needed). For example:

```
\usepackage[T1]{fontenc}
\usepackage{PTSans}
```

You can typeset some text in a desired font like this:

```
{\usefont{T1}{PTSansNarrow-TLF}{b}{n}Text in narrow bold font}
```

## 5 Known Bugs

The narrow and caption styles are independent font families. It is your choice where you will use them.

Please [send me](#) bug reports and suggestions about this package.