

The Domitian font family

VERSION 1.0A

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1 Description

The Domitian fonts are a free and open-source OpenType font family, based on the Palatino design by Hermann Zapf (1918-2015), as implemented in Palladio (also known as p052), the version distributed as part of URW's free Core 35 PostScript fonts (version 2.0, 2015).

Domitian is meant as a drop-in replacement for Adobe's version of Palatino. It extends Palladio with small capitals, old-style figures and scientific inferiors. The metrics have been adjusted to more closely match Adobe Palatino, and hinting has been improved.

2 Basic usage

Domitian is presently only available in OpenType format. To use it with a modern engine such as Lua \LaTeX or Xe \LaTeX , simply include in the preamble:

```
\usepackage{fontspec}  
\setmainfont{Domitian}
```

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2.1 Basic samples

The quick brown fox jumped over the lazy dog.

The quick brown fox jumped over the lazy dog.

The quick brown fox jumped over the lazy dog.

The quick brown fox jumped over the lazy dog.

THE QUICK BROWN FOX JUMPED OVER THE LAZY DOG.

12345678901234567890¹²³⁴⁵⁶⁷⁸⁹⁰₁₂₃₄₅₆₇₈₉₀

3 Mathematics support

No math font is provided, but Domitian works well with mathpazo, like so:

```
\usepackage{mathpazo}
\usepackage{mathfont} %Loads fontspec automatically
\mathfont[upper,lower,diacritics,greekupper,greeklower,
agreekupper,agreeklower,digits]{Domitian}
\setmainfont[Numbers=OldStyle]{Domitian}
```

(This example will use Domitian for text and for math alphabets, and will use the mathematical symbols from mathpazo; newpxmath also works well.)

For more usage details, see the fontspec and mathfont packages' documentation.

3.1 Basic mathematics samples

$$\tilde{f}(\omega) = \frac{1}{2\pi} \int_{-\infty}^{\infty} f(x) e^{-i\omega x} dx$$

$$\sum_{i=0}^{n-1} (b + id) a^i = b \sum_{i=0}^{n-1} a^i + d \sum_{i=0}^{n-1} ia^i \quad (1)$$

$$= b \left(\frac{1 - a^n}{1 - a} \right) + d \left(\frac{a - na^n + (n-1)a^{n+1}}{(1-a)^2} \right) \quad (2)$$

$$= \frac{b(1 - a^n) - (n-1)da^n}{1 - a} + \frac{da(1 - a^{n-1})}{(1-a)^2} \quad (3)$$

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