

# The fonetika package

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## 1. Introduction

The Fonetika fonts is a set of fonts designed to be used for the danish *Dania* [1] phonetic alphabet.

There are two fonts; a serif font *Fonetika Dania Pallae* based on *URW Palladio* (Palatino), and a sans serif font *Fonetika Dania Iwonae* based on *Iwona Condensed*. Both fonts exist in a regular and a bold weight.<sup>1</sup>

The fonts are made with FontForge [2].

For easy typing, the special characters are placed on the places of uppercase letters in the T1 encoding. Hence the fonetika package requires the fontenc package with option T1. This is loaded if not loaded by the user. The encoding of the fonetika fonts is a sort of “fake” T1 encoding.

## 2. User interface

### 2.1. Loading the package

The fonetika package has two options, `serif` and `sans` which determines whether the `\fonetika` command chooses the serif or the the sans serif font. The option `serif` is default.

### 2.2. Commands

The basic command of the fonetika package is (surprise) `\fonetika` which takes an argument, and typesets it with the current fonetika-font.

```
chokolade \fonetika{Sogo|laDe} şogo'laðe
```

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<sup>1</sup>The fonts Palladio and Iwona Condensed are the fonts used in this document

Furthermore there are two commands, `\fonetikaserif` and `\fonetikasans`, which works just like the `\fonetika` command, but selects the serif and sans serif fonts specificly. This is mainly for use in section titles if they are set with another font than the body text.

### 2.3. Input and output

The tables below show the typed input and the phonetic characters it produces.

#### Uppercase letters

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Æ Ø Å  
*α α̇ ð ð̇ j η ι ς ∫ á ö å*

#### Lowercase letters

a b c d e f g h i j k l m n o p q r s t u v w x y z æ ø å  
*a b c d e f g h i j k l m n o p r s t u v w y æ ø å*

#### Other characters

| ' [ ] , . 0  
' ' [ ] , . 0

### References

- [1] <http://da.wikipedia.org/wiki/Dania>
- [2] <http://sourceforge.net/projects/fontforge/>

## A. Source of the fonetika files

### A.1. Source of fonetika.sty

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fonetika}[2006/09/27 Package for the
  Fonetika Dania fonts]

\def\fonetikashape{n}
\DeclareOption{sans}{\def\fonetikashape{ns}}
\DeclareOption{serif}{\def\fonetikashape{n}}
\ProcessOptions*

\def\fonetika@ti{T1}
\AtBeginDocument{%
  \ifx\encodingdefault\fonetika@ti %% T1 encoding is
    default
  \RequirePackage[T1]{fontenc}
  \else
  \RequirePackage[T1,\encodingdefault]{fontenc}
  \fi
}

\newcommand*\fonetikafamily{\fontencoding{T1}\fontfamily
  {fonetika}\fontshape{\fonetikashape}\selectfont}
\DeclareTextFontCommand{\fonetika}{\fonetikafamily}

\newcommand*\fonetikasansfamily{\fontencoding{T1}\
  fontfamily{fonetika}\fontshape{ns}\selectfont}
\DeclareTextFontCommand{\fonetikasans}{\
  fonetikasansfamily}

\newcommand*\fonetikaseriffamily{\fontencoding{T1}\
  fontfamily{fonetika}\fontshape{n}\selectfont}
\DeclareTextFontCommand{\fonetikaserif}{\
  fonetikaseriffamily}

\endinput
```

## A.2. Source of t1fonetika.fd

```
\ProvidesFile{t1fonetika.fd}[2006/05/01 LaTeX font
  definition for T1/Fonetika]

\DeclareFontFamily{T1}{fonetika}{\hyphenchar\font\m@ne}
\DeclareFontShape{T1}{fonetika}{m}{n}{
  <-> fonetika
}{}

\DeclareFontShape{T1}{fonetika}{b}{n}{
  <-> fonetikabold
}{}

\DeclareFontShape{T1}{fonetika}{m}{ns}{
  <-> fonetikasans
}{}

\DeclareFontShape{T1}{fonetika}{b}{ns}{
  <-> fonetikasansbold
}{}

\DeclareFontShape{T1}{fonetika}{bx}{n}{<->ssub *
  fonetika/b/n}{}
\DeclareFontShape{T1}{fonetika}{bx}{ns}{<->ssub *
  fonetika/b/ns}{}

\endinput
```

## A.3. Source of fonetika.map

```
fonetika <FonetikaDaniaPallaeRegular.pfb
fonetikabold <FonetikaDaniaPallaeBold.pfb
fonetikasans <FonetikaDaniaIwonaRegular.pfb
fonetikasansbold <FonetikaDaniaIwonaBold.pfb
```