



Location: fonts:/// 75% View as Icons

GFS Artemisia	GFS Artemisia, Bold	GFS Artemisia, Bold Italic	GFS Artemisia, Italic	GFS Baskerville	GFS Bodoni	GFS Bodoni, Bold	GFS Bodoni, Bold Italic
GFS BodoniClassic	GFS Bodoni, Italic	GFS Didot Classic	GFS Gazis	GFS Neohellenic	GFS Neohellenic, Bold	GFS Neohellenic, Bold Italic	GFS Neohellenic, Italic
GFS Olga	GFS Porson	GFS Solomos	GFS Theokritos	Inconsolata	Old Standard	Old Standard, Italic	Abyssinica SIL
Andika DesRev A	Andika DesRev B,	Bitstream Vera Sans	Bitstream Vera Sans, Bold	Bitstream Vera Sans, Bold Oblique	Bitstream Vera Sans Mono	Bitstream Vera Sans Mono, Bold	Bitstream Vera Sans Mono, Bold Oblique
Bitstream Vera Sans Mono, Oblique	Bitstream Vera Sans, Oblique	Bitstream Vera Serif	Bitstream Vera Serif, Bold	BPG Chveulebrivi	BPG Chveulebrivi, Bold	BPG Courier	BPG Courier, Bold

Open fonts in Debian

Nicolas Spalinger

SIL International volunteer - scripts.sil.org

Debian pkg-fonts team - pkg-fonts.alioth.org

Ubuntu Fonts team - launchpad.net/people/fonts

Open Font Library - openfontlibrary.org

ScriptSource - scriptsource.org

Annual Debian Developer Conference

Edinburgh, Scotland, 17th June 2007

Overview

Background on font freedom (needs and challenges)

Project B@bel (Unesco & SIL)

Gentium: both award-winning and open

A community timeline for the Open Font License community review

Recent progress with the font stack

The existing collection of open fonts

Open font designers: the key community projects

Metadata integration for open fonts

The open font design toolkit

Collaboration on font maintainership and review

The Go for OFL! campaign: engaging more designers

Open fonts in the development and education context: the OLPC laptop

The pkg-fonts team: co-maintaining fonts and related software in Debian

The impact of fonts on other aspects in the system : d-i, locales

BoF: open discussion

What is a font?





What is a font?




News

 [FSF releases third draft of GPLv3 for discussion](#)
2007-03-28

 [Ted Ts'o wins the 2006 Award for the Advancement of Free Software](#)
2007-03-26

 [Sahana wins the 2006 social benefit award](#)
2007-03-26

 ["Year of the Upgrade". Annual Associate Member Meeting, Saturday March 24.](#)
2007-03-07

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[More...](#)

Blog

Recent additions:

 [GPLv3 and Software as a Service](#)

 [GPLv3 FAQ now available](#)

Licenses

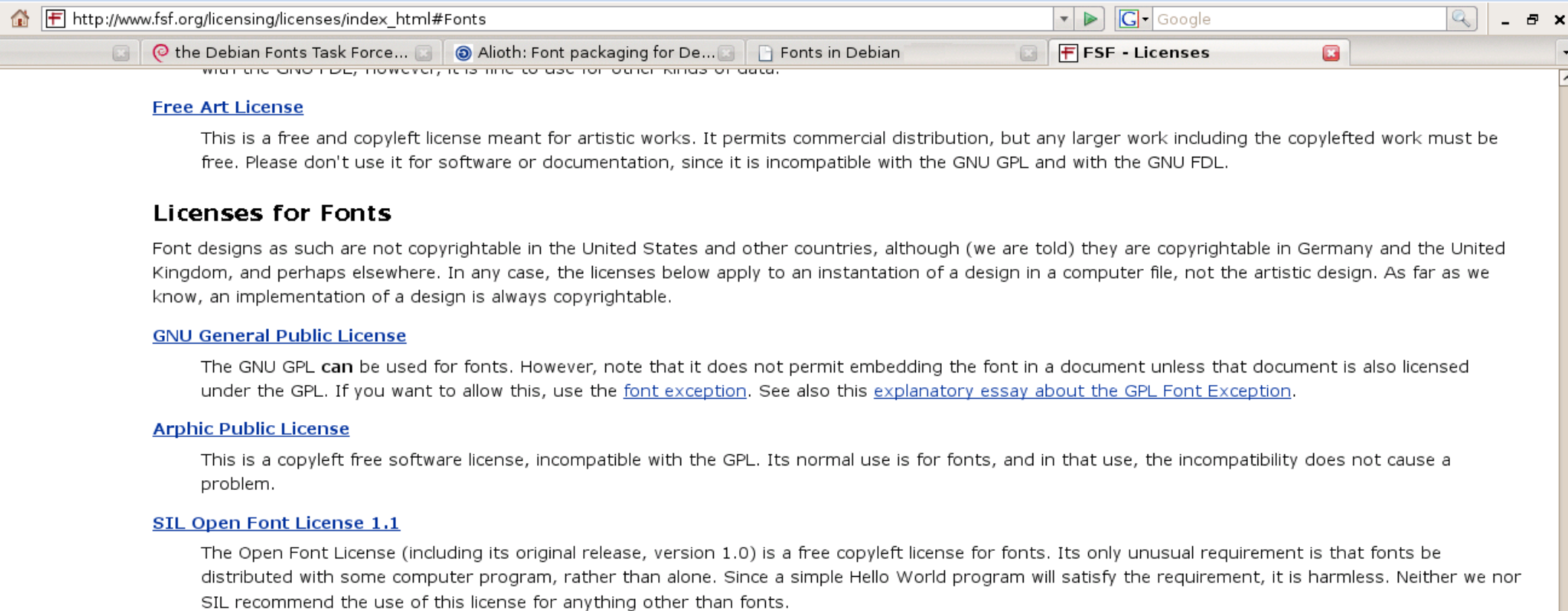


Various Licenses and Comments about Them

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What is a font? FSF license-list section



The image is a screenshot of a web browser window. The address bar shows the URL http://www.fsf.org/licensing/licenses/index_html#Fonts. The browser has several tabs open, with the active tab titled "FSF - Licenses". The page content includes a section for the "Free Art License", a "Licenses for Fonts" section, and sections for "GNU General Public License", "Arphic Public License", and "SIL Open Font License 1.1".

[Free Art License](#)

This is a free and copyleft license meant for artistic works. It permits commercial distribution, but any larger work including the copylefted work must be free. Please don't use it for software or documentation, since it is incompatible with the GNU GPL and with the GNU FDL.

Licenses for Fonts

Font designs as such are not copyrightable in the United States and other countries, although (we are told) they are copyrightable in Germany and the United Kingdom, and perhaps elsewhere. In any case, the licenses below apply to an instantiation of a design in a computer file, not the artistic design. As far as we know, an implementation of a design is always copyrightable.

[GNU General Public License](#)

The GNU GPL **can** be used for fonts. However, note that it does not permit embedding the font in a document unless that document is also licensed under the GPL. If you want to allow this, use the [font exception](#). See also this [explanatory essay about the GPL Font Exception](#).

[Arphic Public License](#)

This is a copyleft free software license, incompatible with the GPL. Its normal use is for fonts, and in that use, the incompatibility does not cause a problem.

[SIL Open Font License 1.1](#)

The Open Font License (including its original release, version 1.0) is a free copyleft license for fonts. Its only unusual requirement is that fonts be distributed with some computer program, rather than alone. Since a simple Hello World program will satisfy the requirement, it is harmless. Neither we nor SIL recommend the use of this license for anything other than fonts.

Why is font freedom important?

- wider availability and dissemination
- Improve World Literacy & A2K
- Education/development contexts like OLPC
- Fonts are also buggy and need fixing/extending
- Lets remove limits to expression and creativity, for both users and designers
- more fun in d-i and i18n, more languages in Debian, better tools for translators, more Dzongka-like success stories for language communities

Font designers and font freedom

- Legal clarity
A valid community-approved model you can trust.
- Renew old fonts lying around
Expand glyph coverage and smarts
- World status for your font
A great way to get visibility for your design skills
- Involve others in your project
Allow branching while retaining artistic integrity

Introducing



The Open Font License

Preamble

The goals of the Open Font License (OFL) are to stimulate worldwide development of collaborative font projects, to support the font creation efforts of academic and linguistic communities, and to provide a free and open framework in which fonts may be shared and improved in partnership with others.

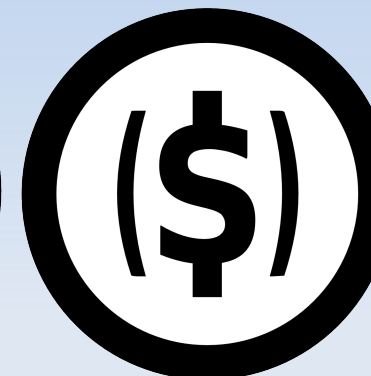
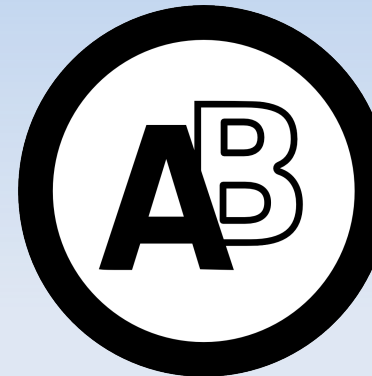
The OFL allows the licensed fonts to be used, studied, modified and redistributed freely as long as they are not sold by themselves.

The fonts, including any derivative works, can be bundled, embedded, redistributed and/or sold with any software provided that any reserved names are not used by derivative works.

The fonts and derivatives, however, cannot be released under any other type of license.

The requirement for fonts to remain under this license does not apply to any document created using the fonts or their derivatives.

How does it work?



Permits

Reproduction

Distribution

Embedding

Derivative Works

Requires

Attribution

Notice

ShareAlike

Derivative Renaming

Bundling When Selling

Origins: SIL & UNESCO

← → ↻ × 🏠 Go

UNESCO.ORG | Education | Natural Sciences | Social & Human Sciences | Culture | Communication & Information

United Nations Educational, Scientific and Cultural Organization

Communication and Information Sitemap | Text only Français

WebWorld Communication and Information Activities

Activities by themes > Content Development > Multilingualism in Cyberspace > Initiative B@bel

- Home
- Multilingualism in Cyberspace
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Initiative B@bel

Giving access to information by promoting linguistic and cultural diversity in Cyberspace

Initiative B@bel uses Information and Communication Technologies (ICTs) to support linguistic and cultural diversity, and to protect and preserve languages in danger of disappearance.



It promotes multilingualism on the Internet in order to make access to its contents and services more equitable for users worldwide.

Today, more than 90% of content on the Internet exists in only 12 languages, so many users of the 6 000 languages in the world are overlooked by this important communication medium. The "Initiative" puts emphasis on the need of completing all the steps to ensure the presence of a language in the digital world. Synergy and cooperation with other institutions and initiatives is capital to achieve longer term results regarding multilingualism in the cyberspace.

Since access to information and knowledge is key to human development and quality of life, Initiative B@bel places special emphasis on the needs of developing and transition countries. By

[Advanced Search](#)

UNESCO and Multilingualism in Cyberspace

- UNESCO Approach
- Basic Issues
- [Other UNESCO Initiatives](#)

Resources

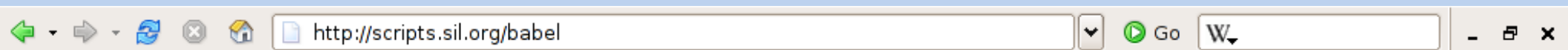
- About
- News

Features

Documents

- Methods to computerize "little equipped" languages and groups of languages

Origins: SIL & UNESCO



NRSI: Computers & Writing Systems

[SIL HOME](#) | [CONTACT US](#)

Search

You are here: [General](#) > [Initiative B@bel](#)
Short URL: <http://scripts.sil.org/babel>

SIL International Contributions to UNESCO Initiative B@bel

Victor Gaultney, 2003-10-31; 4697 reads

From January to October of 2003, SIL International was engaged in a cooperative project with [UNESCO](#) as part of UNESCO's [Initiative B@bel](#) effort. The goal was to enable the development of complex script support in information and communication technologies (ICTs). This was done through preparation of documents to guide development, technical tools for complex script support, and two example script implementations. These items are available from pages specifically prepared for each item — links are below.

UNESCO's Initiative B@bel website lists the results of our collaboration [here](#).

Project Components

[Guidance Documents](#)

- [Guidelines for Writing System Support](#)
- [Intellectual Property Concerns in the Development of Complex Script and Language Resources](#)
- [Complex Script Data Exchange Format](#)

[Technical Tools](#)

- [Project SILA — Graphite-Enabled Web Browser](#)
- [Graphite Edit Control](#)
- [WorldPad — Graphite-Enabled Text Processor](#)
- [Sample Script Implementations](#)
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Guidance Documents

Guidelines for Writing System Support

This document describes the key issues around supporting complex scripts in ICTs. It is intended as a guide to the planning and development of



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SIL: What is SIL?

- A charitable linguistic research organisation
 - focused on Minority Language groups.
 - our work promotes language diversity and vitality.
 - work with local community leaders, national governments and education authorities and UNESCO on minority language issues and multi-lingual education.
 - Consultative status with UN
 - Publishes the Ethnologue
- <http://www.sil.org> and <http://scripts.sil.org>

SIL: What we do

- Research
 - Language survey, language documentation, ethnomusicology, write grammars and analysis.
- Translation
 - scriptures, health literature, basic educational literature.
- Literacy development and education.
- Produce fonts and software to support our work:
 - Fonts: Gentium, Doulos SIL, Charis SIL, Padauk, etc
 - Software: Graphite, XeTeX and extending complex script rendering in Pango, OO.org. Also smart input: KMFL

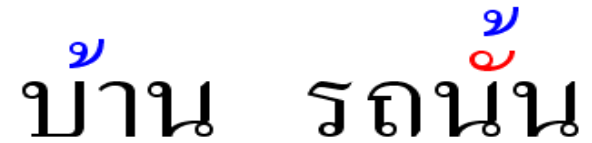
Literacy work

- Where there is no written language often involves creating a writing system.
- Based off of the national script
 - This is often complex.
 - Almost always need modifying to fit the target language's phonology.
- Smart fonts are a solution for complex script editing and publication needs.

Smart fonts

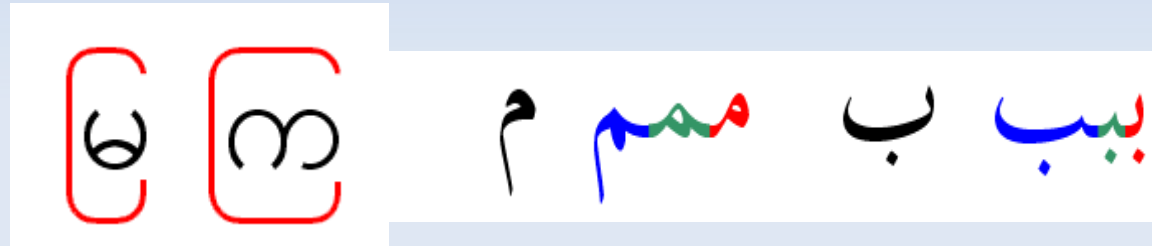
- Handle textual phenomena such as:

- Diacritic position:



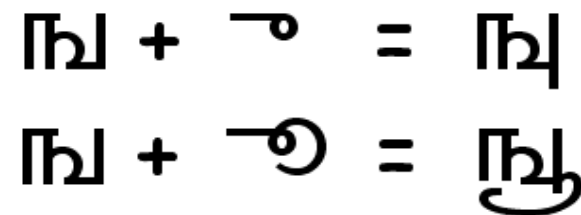
บ้าน รถยนต์

- Contextualisation:



๖ ๓ م ميم ب يب

- Ligatures:



หฺ + ๑ = หฺ๑
หฺ + ๒ = หฺ๒

- Reordering & splitting:



কাত কিত কোত
kat kit kot

- Permit typographical enhancements called font features

Font Features

- Allow typographic adjustments by
 - Selecting between glyph variants
 - Adjusting complex behaviour
- Can be extra formatting applied to text by the user or some can be set by default depending language.
- A font will usually support a subset of all registered features or none.
- A features value may be binary, a numeric value, selection from an enum or a set of values (a bit field).

Font Feature OpenType examples

- Features set by language, Vietnamese diacritics

Unicode cung cấp
một con số duy
nhất cho mỗi ký tự

Unicode cung cấp
một con số duy
nhất cho mỗi ký tự

- Optional typographic features

no features

Hello World! 0123456789

small caps

HELLO WORLD! 0123456789

Swash and
SlashedZero

Hello World! 0123456789

Advanced Font Feature example

No features

Xɔsee **na** Mose ɔɔ
ŋutitotonkeke la anyi,
eye wɔna wohlẽ **u** de
utrutiwo ɲu bene dɔla
si **atsrõ** ɲgɔgbeviwo la
nagawɔ nuvevi Israel
viwo ya o.

Alternate forms= Literacy alternates,

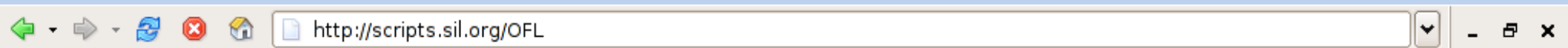
Small v-hook straight style;

Uppercase Eng alt=Capital N with tail

Xɔsee **na** Mose ɔɔ
Nutitotonkeke la anyi,
eye wɔna wohlẽ **v**u de
vtrutiwo ɲu bene dɔla
si **atsrõ** ɲgɔgbeviwo la
nagawɔ nuvevi Israel
viwo ya o.

Some optional features may required for readability in a particular language community.

Origins: SIL & OFL Community Review



NRSI: Computers & Writing Systems

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Search

You are here: [Type Design](#)
Short URL: <http://scripts.sil.org/ofl>

SIL Open Font License (OFL)

Nicolas Spalinger & Victor Gaultney, 2007-02-26; 55227 reads

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- [Links](#)

OFL Community Contributors

- Benjamin Mako Hill, Debian/Ubuntu
- Gervase Markham, Mozilla
- Jim Gettys, GNOME / OLPC
- Dave Crossland, LGM / Open Font Library / Reading University
- Simos Xenitellis, GNOME / Ubuntu / Fedora
- Edward H. Trager, unifont.org / TextLayoutSummit
- Raph Levien, Inconsolata and other original designs
- George Williams, FontForge
- Denis Jacquerye, DejaVu
- Christian Perrier, Debian
- Michael Vogt, Debian/Ubuntu
- Jon Phillips, Creative Commons / Open Font Library
- Alexandre Prokoudine, Open Font Library
- Reviewers and contributors on OFL-discuss and Open Font Library mailing lists

and many others

including various members
and volunteers from SIL

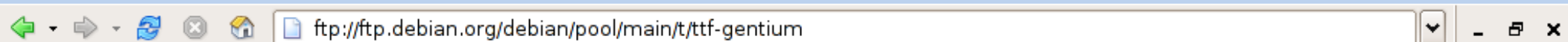
OFL Community Contributors

*Thank
You!*

OFL Community Timeline (not exhaustive)





- UNESCO-SIL meeting - Early 2001
Multilingualism on the web: B@bel
- WSIS Geneva - December 2003
Discussion with RMS
- RMLL Dijon - July 2005
Discussion with Debian and FSF
- AtpI Helsinki - September 2005
Victor Gaultney at TypeTech
- WSIS Tunis - November 2005
Discussion with RMS, Bruce Perens,
Mark Shuttleworth
- **Release of OFL 1.0 on 22nd November 2005**
- AtpI Lisbon - September 2006
Ellen Lupton
- Ubuntu Summit Paris - June 2006
Ubuntu specs on open fonts
- GUADEC Vilanova - June 2006
Daniel Glassey: Presentation on open smart fonts
and Graphite – Fonts BoF
- TextLayoutSummit Boston - October 2006
Ed Trager - Presentation on the OFL, Graphite
and 'Smart Fonts'.
- LGM Lyon - March 2006
Presentation on the OFL and XeTeX
- OOoCon Lyon - September 2006 – Native-
Language Community talk about bundling Open
Fonts with OpenOffice.org
- Discussions on the OFL-discuss, debian-legal,
freedesktop IRC meetings, openfontlibrary
- Akademy - ODF day
Tim Eves - Smart fonts/OOo/ODF
- **Release of OFL 1.1 on 26th February
2007 with updated FAQ**
- LGM Montréal – May 2007

OFL Fonts ship in Debian

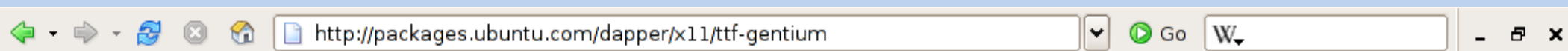


Index of <ftp://ftp.debian.org/debian/pool/main/t/ttf-gentium>

[Up to higher level directory](#)

 ttf-gentium_1.02-2.diff.gz	5 KB	24/01/06	00:00:00
 ttf-gentium_1.02-2.dsc	1 KB	24/01/06	00:00:00
 ttf-gentium_1.02-2_all.deb	670 KB	24/01/06	00:00:00
 ttf-gentium_1.02.orig.tar.gz	2280 KB	05/12/05	00:00:00

OFL Fonts ship in Ubuntu

[Home](#)[Warty](#)[Hoary](#)[Breezy](#)[Dapper](#)[Edgy](#)[Feisty](#)[Gutsy](#)

[Section: [x11](#)]

Package: **ttf-gentium (1.02-1ubuntu1)**

Gentium TrueType font

Gentium is a typeface family designed to enable the diverse ethnic groups around the world who use the Latin script to produce readable, high-quality publications. It supports a wide range of Latin-based alphabets and includes glyphs that correspond to all the Latin ranges of Unicode.




The design is intended to be highly readable, reasonably compact, and visually attractive. Diacritics are treated with careful thought and attention to their use. Gentium also supports both ancient and modern Greek, including a number of alternate forms. These fonts were originally the product of two years of research and study by the designer at the University of Reading, England, as part of an MA program in Typeface Design.


GentiumAlt is an alternate font with flatter diacritics, specifically designed for languages using multiple accents.

SIL International has now embraced the Gentium project, and plans to continue development. Expansion of the glyph set to include more extended Latin glyphs, archaic Greek symbols, and full Cyrillic script support is the next step.


Homepage: <http://scripts.sil.org/Gentium>

Other Packages Related to ttf-gentium

 = depends  = recommends  = suggests

 [defoma](#)

Debian Font Manager -- automatic font configuration framework

 [x-ttcidfont-conf](#)

OFL Fonts ship in Fedora

← → ↻ × 🏠 <http://download.fedora.redhat.com/pub/fedora/linux/extras/4/SRPMS/repoview/gentium-fonts.html> ▾ - ☰ ×

User Interface/X

Jump to letter: [9 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]

gentium-fonts - SIL Gentium fonts

SIL Gentium ("belonging to the nations" in Latin) is a Unicode typeface family designed to enable the many diverse ethnic groups around the world who use the Latin script to produce readable, high-quality publications. It supports a wide range of Latin-based alphabets and includes glyphs that correspond to all the Latin ranges of Unicode.

License: SIL Open Font License

Group: User Interface/X

URL: http://scripts.sil.org/Gentium_linux

Packages

Name	Version	Release	Type	Size	Built
gentium-fonts	1.02	2	src	2.23 MiB	Sat Dec 24 11:18:02 2005

Changelog

* Wed Dec 21 17:00:00 2005 Roozbeh Porunader <roozbeh{%}farsiweb{*}info>
1.02-2

- Added comment to Source0 about where to get the file
- Added Provides and Obsoletes for upstream RPM name

* Mon Dec 19 17:00:00 2005 Roozbeh Pournader <roozbeh{%}farsiweb{*}info>
1.02-1

- Initial packaging, borrowing many things from dejavu-fonts

Terminal
artwiz-aleczapka-...
aterm
bubblemon
charis-fonts
dejavu-fonts
doulos-fonts
dxc
fonts-hebrew-fancy
[gentium-fonts](#)
gfontview
gktools
gqview
hunky-fonts
iimf-le-simpleha...
kinput2
kompose
libtabe
mathml-fonts
mgopen-fonts

Introducing

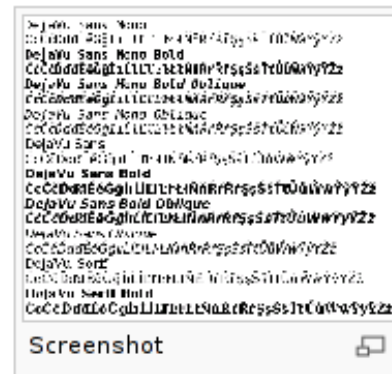
Current & Future Efforts

Main Page

The **DejaVu fonts** are a font family based on the [Vera Fonts](#) release 1.10. Its purpose is to provide a wider range of characters (see [Current status](#) page for more information) while maintaining the original look and feel through the process of collaborative development (see [Authors](#)). The family is available as TrueType fonts and also as third-party packages.

Available families (Sans = sans serif, Mono = monospaced):

- [DejaVu Sans](#)
- [DejaVu Sans Mono](#)
- [DejaVu Sans Condensed](#) (*experimental*)
- [DejaVu Serif](#)
- [DejaVu Serif Condensed](#) (*experimental*)



Screenshot

The current version is 2.16 (What's new, Download).
The next version 2.17 is scheduled for May 13 (see Roadmap).

Latest news

- **Apr 1, 2007** - [DejaVu Fonts 2.16](#) released
- **Feb 18, 2007** - [DejaVu Fonts 2.15](#) released
- **Feb 14, 2007** - [Release Candidate](#) for 2.15 available
- **Jan 21, 2007** - [DejaVu Fonts 2.14](#) released

Bugs and wishes

Bugs and requests can be filed in [our Bugzilla at freedesktop.org](#).

When requesting new characters please look them up on [Unicode Charts](#) and refer to their codes. Current and future work (with which everyone can help) is described on the [Plans](#) page.

Contact us

Send your questions to the [dejavu-fonts mailing list](#). This list is also used for discussions and announcements.

We have our own [IRC channel](#) on [irc.freenode.org](#) where you can ask all your questions to the developers: [#dejavu](#).

Each family has Book (regular), Bold, Oblique and Bold Oblique typefaces, the DejaVu Sans family has experimental Extra Light typeface. *DejaVu Serif Oblique and DejaVu Serif Bold Oblique are experimental.*

The derivative called *DejaVu LGC* covers only Latin, Greek and Cyrillic scripts.

Most DejaVu fonts are suitable for **Latin** (Western and Central European, African Latin and International Phonetic alphabets), **Cyrillic** (European) and **Greek** (Modern and Polytonic). **Arabic**, **Armenian**, **Hebrew**, **Lao** and **Canadian Aboriginal Syllabics** are currently in development and

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Greek Font Society

33 Sp. Merkouri Str.
116 34 Athens
Greece

T: +30 210 725 1979
F: +30 210 725 1979
E: gfs@greekfontsociety.org

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- ◆ [20th/21st century](#)

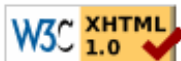
We would like to thank everyone for the feedback and useful comments on our work. Corrections have been implemented wherever deemed appropriate. Your continuous assistance and encouragement in GFS's work is much appreciated.

unifont.org

Resources

Blogs

- Font Guide
- Font
- Playground
- International Text Layout
- Font Dialog
- Go for OFL
- Unicode Primer
- The Penguin and Unicode
- LASi
- Web Workshop
- Contact



About unifont.org

This web site provides information about Unicode fonts, Unicode-enabled software, internationalization, and Unicode usability issues on [free/libre/open source \(FLOSS\)](#) operating systems.

Welcome!

Resources

- Unicode Font Guide** For Free/Libre Open Source Operating Systems.

A regularly-updated guide to the best Open Source and other liberally-licensed Unicode fonts for all major modern scripts encoded in Unicode.
- Font Playground (alpha software)**. Play with free fonts before downloading them.

*This is a companion to the **Font Guide** where you have the chance to interactively use many of the free fonts mentioned in the Font Guide to typeset short quotations and text samples without having to download anything. **Note bene:** This resource is under active development and still has a few bugs -- but it is still fun.*
- International Text Layout & Typography** . **New!** Paper for presentation at Gnome Live! 2006 in Boston. PDF format.

This paper aims to provide a comprehensive review of aspects of international text layout and typography of interest to members of the FLOSS development community. The accompanying [slide presentation](#) is also available.
- Designing a Better Font Selection Widget** , a proposal.

A proposal to create a better font selection widget for modern Open Source desktop software toolkits such as QT, KDE and GTK+/Gnome. The proposal envisions a drop-down selection widget with options for hierarchical classification of fonts into logical design-based and script-based categories. Configuration data would be stored in easily-parsed XML files. Implementation of such a widget would

News

2006.11.04 -- [Read about the new Go for OFL!](#) campaign!

2006.10.02 -- [Paper on International Text Layout & Typography](#) now available.

2006.08.29 -- [New and patched versions of LASi](#) just released! [LASi](#).

2006.07.10 -- [Check out the new resource, Font Playground](#).

2006.05.05 -- [New Vietnamese font section in the font guide](#).

2006.05.05 -- [Version 1.0.5 of LASi](#) has been released.

2006.01.23 -- [Site is up!](#)

Blogs

2006.03.01 -- [Why We Don't Really Need Pan-Unicode Fonts Anymore](#)

Unicode Font Guide For Free/Libre Open Source Operating Systems

[Intro-
duction](#)[Pan-
Unicode
Fonts](#)[Africa](#)[America](#)[Europe](#)[Middle
East](#)[East Asia](#)[South Asia](#)[S.E. Asia](#)[Scientific,
Scholarly,
Artistic](#)

Introduction

This is a selective guide to [Unicode](#)-based fonts and script projects that are ideal for free/libre/open source (FLOSS) operating systems like GNU/Linux and FreeBSD. As a general policy, I include here only fonts that:

- Contain Unicode CMAPs for mapping Unicode values to glyphs.
- Can be downloaded and used legally for free.

Preference is given to high-quality vector fonts that have been released under SIL International's [Open Font License \(OFL\)](#), the Free Software Foundation's [GNU General Public License \(GPL\)](#), and similarly open licenses. I also include other important Unicode fonts, including a few notable shareware fonts where the authors request payment of a fee after an initial free evaluation. Although this document focuses on vector fonts that work well on free operating systems, these fonts will also work well on Unicode-capable Windows operating systems (Windows 2000 and XP) and on Apple OSX.

Please note that other, more extensive online font guides do exist. In particular Alan Wood's [Unicode](#)

Latest News

- **2007.03.23.** Unifont.org's Font Guide now has an [RSS Feed](#) so you can keep up with all of the latest news in the FLOSS font world!
- **2007.02.28.** Dugan Chen has kindly updated the download shell script (see [A new tool for the impatient on this page](#)) so that it works properly on modern *nix distributions like **Ubuntu**. Thanks, Dugan!
- **2007.02.27.** **Ekushey.org** Bengali font site has been updated. See the **South Asia** section.
- **2007.02.26.** **SIL** has announced completion of the [Open Font License v. 1.1](#).
- **2007.01.08.** Samuel Thibault has released a Tagbanwa font under a Creative Commons license. See [Philippine Scripts](#) in the **Southeast Asia** section for details.
- **2006.12.18.** The **Parabaik Unicode Project** has just released **Parabaik Sans** Myanmar Unicode font under the OFL and GPL licenses. The project has also released a keyboard layout. See the **Southeast Asia** section for details.
- **2006.11.24.** Greek Font Society and Vangelis Makridakis' Greek fonts added. See the **Europe** section.
- **2006.09.20.** **Uyghur Computer Science Association (UKI)** fonts added in the **East Asia** section.
- **2006.09.15.** **Libertine Open Font** version 2.1.9 is now available under both the OFL and GPL licenses.

unifont.org's font playground

- Pan Unicode Fonts
- Africa
- America
- Europe**
- Middle East
- East Asia
- South Asia
- South East Asia
- Scientific, Scholarly, Artistic

The Knight in the Tiger's Skin

დმერთსი შემვედრე, ნუთუ კვლა დამხსნას სოფლისა შრომასა, ცეცხლს, წყალსა და მიწასა, ჰაერთა თანა შრომასა; მომცნეს ფრთენი და აღუფრინდე, მიეპხუდე მას ჩემსა ნდომასა, დღისით და ღამით ვახუდედე მზისა ეღვათა კრთომასა.

Šota Rustaveli's Vep̄xis T̄q̄aosani

Democracy

As I would not be a slave, so I would not be a master. This expresses my idea of democracy. Whatever differs from this, to the extent of the difference, is no democracy.

Abraham Lincoln

The Knight in the Tiger's Skin

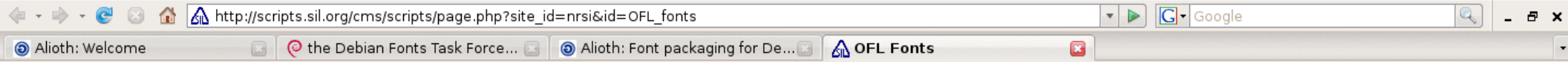
დმერთსი შემვედრე, ნუთუ კვლა დამხსნას სოფლისა შრომასა, ცეცხლს, წყალსა და მიწასა, ჰაერთა თანა შრომასა; მომცნეს ფრთენი და აღუფრინდე, მიეპხუდე მას ჩემსა ნდომასა, დღისით და ღამით ვახუდედე მზისა ეღვათა კრთომასა.

Font: Gentium (N,

The Knight in the Tiger's Skin

დმერთსი შემვედრე, ნუთუ კვლა დამხსნას სოფლისა შრომასა, ცეცხლს, წყალსა და მიწასა, ჰაერთა თანა შრომასა; მომცნეს ფრთენი და

OFL-ed fonts catalog



You are here: [Type Design](#)
Short URL: http://scripts.sil.org/OFL_fonts

OFL Fonts

Victor Gaultney, 2007-05-03; 13893 reads

Here is a listing of some OFL-licensed fonts, listed by script. If you would like to have your fonts listed here, please contact us. Additional OFL-licensed fonts can also be found amongst the listing of freely-licensed fonts at the [Unicode Font Guide](#).

Roman/Latin

- [Gentium](#) - Extended Roman/Latin, including phonetic transcription. Supports Unicode 3. [Regular, Italic]
- [Doulos SIL](#) - Extended Roman/Latin, including phonetic transcription. Supports Unicode 5, includes smart font code for diacritic positioning. [Regular]
- [Charis SIL](#) - Extended Roman/Latin, including phonetic transcription. Supports Unicode 5, includes smart font code for diacritic positioning. [Regular, Italic, Bold, Bold Italic]
- [Andika Design Review](#) - Early version of a new sans serif typeface for literacy work. Current version has limited character set, but will eventually be expanded to be like other SIL fonts. [Regular]
- [Linux Libertine](#) - Similar to Times Roman. [Regular, Italic, Bold, Bold Italic, Small Caps, Underline]
- [Century Catalogue](#) - Alternate digital version of ATF Century Oldstyle, but from a larger master size. [Regular]
- [Inconsolata](#) - Monospaced font sponsored by the TeX Users Group Development Fund. [Regular monospaced]
- [Old Standard](#) Covers a wide range of Latin, Greek and Cyrillic characters - includes OpenType features. [Regular and Italic]
- [Briep](#) - Personal handwriting. [Regular]

Cyrillic

- [Doulos SIL](#) - Extended Cyrillic, including phonetic transcription. Supports Unicode 5, includes smart font code for diacritic positioning. [Regular]
- [Charis SIL](#) - Extended Cyrillic, including phonetic transcription. Supports Unicode 5, includes smart font code for diacritic positioning. [Regular, Italic, Bold, Bold Italic]
- [Old Standard](#) Covers a wide range of Latin, Greek and Cyrillic characters - includes OpenType features. [Regular and Italic]

Ethiopic

[Abyssinica SIL](#) - Abyssinica SIL is based on Ethiopic calligraphic traditions. It supports all Ethiopic characters which are in Unicode including the Unicode 4.1 extensions. Some languages of Ethiopia are not yet able to be fully represented in Unicode and, where necessary, we have included non-Unicode characters in the Private Use Area. [Regular - no other weights planned]

Greek

- [Gentium](#) - Extended Greek, both Ancient and Modern. [Regular, Italic]
- [GFS Didot](#) - Greek font family with a variety of styles available.
- [GFS Olga](#) - Greek font family with a variety of styles available.
- [GFS Porson](#) - Greek font family with a variety of styles available.

- [General Information](#)
- [Text of the SIL Open Font License](#)
- [The OFL FAQ](#)
- [Fonts licensed via the OFL](#)
- [OFL Graphics](#)
- [Mailing Lists](#)
- [Feedback](#)

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Saturday, 05 May 2007

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Language

English ▼

Login Form

Username

Password

Typeforge Project Description



Written by Pedro Amado

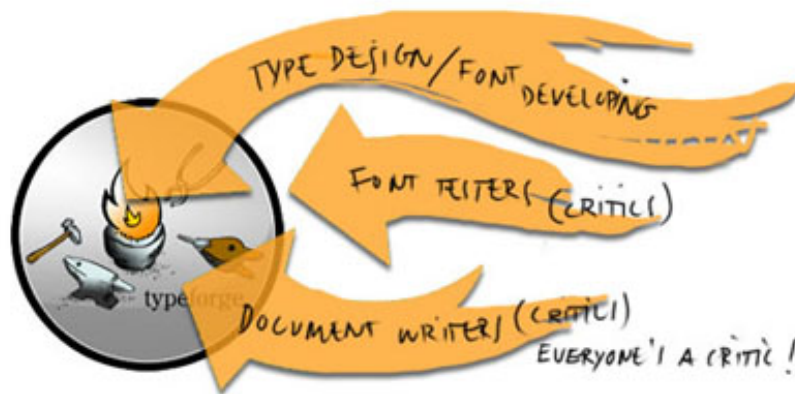
Tuesday, 08 November 2005

This project focuses on the development of complete fonts using **Fontforge**, and **Type Design Documents on how to design fonts** from scratch to an advanced level.

It aims that everyone involved can and will learn more about typography and type developing in a collaborative method. It will provide the fonts and the font files regularly to users, developers and anyone with an interest in type.

What are you waiting for? **Get involved! Register now!**

It is also a good provider of general type related information and news as well as an excellent links resource. Check out the **Links Section**.



Get Involved!



May 05, 2007, 01:54:24 AM

Welcome, **Guest**. Please login or register.
Did you miss your activation email?

Forever

Login with username, password and session length

News: All the ideas posted here are "Pre-Beta". Heck, we're "pre-Alpha", so if you don't like any idea, suggest another solution. Nothing here is carved in stone. *Well, except for those Roman capitals over there...*

- HOME HELP SEARCH LOGIN REGISTER

Typosium.org - Dept. of Planning

News

Quick Directions: "Mission" talk about the ideas and principles, "Org" for the group of people, "UX" is how the site looks and feels, "Dev" to discuss the web code.

General Category

	Mission The Philosophy and pupose of Typosium. Discuss.	16 Posts 5 Topics	Last post by Choz Cunningham in Re: Motion to lock Manif... on February 23, 2007, 10:34:06 PM
	Org Propose a formal structuring of the Typosium Organization.	7 Posts 5 Topics	Last post by Choz Cunningham in Re: ScriptSource on February 23, 2007, 11:01:19 PM
	UX Everything related to the look and feel of the User's eXperience. From rating systems and categories to colors and ID.	4 Posts 1 Topics	Last post by Choz Cunningham in Re: Rating and Reviewing... on February 09, 2007, 12:37:09 AM

Search

New forum topics

- Appropriation and Type - before and today
- Navigation?
- GFS Bodoni
- Image insert not working yet
- Thanks Dino dos Santos!

[more](#)

Active forum topics

- Site Construction
- Navigation?
- Basic Functionality
- Appropriation and Type - before and today
- Introduce yourself

[more](#)

Recent comments

- Re: Site Construction
5 weeks 6 days ago
- Re: Site Construction
6 weeks 22 hours ago
- Re: Site Construction
6 weeks 22 hours ago

A free resource and community for students and lovers of type and typography.

Resources

Have a suggestion or resource you've found or know about? Post it in the forum!

Forum

Got a hot tip? How about a hot new typeface that you're in love with? How about first time questions about type? Something absurdly obscure about type that you just gotta share? How about a critique of your work? It's all here.

Free Fonts

Student graphic designers are renowned for two things: They're poor and they scour the internet looking for free fonts. We've taken some of the hassle out of that and cut straight to the chase: The Good Stuff.

How-To

There's all sorts of knowledge about sorts out there. Ha! But seriously folks, here's a collection of How-To knowledge gleamed from the years of experience of Typographers around the world.

Links

Here's a few essential links for every aspiring typographer out there. Have a suggestion?

Student Discounts

So you've graduated to the level at which you can actually afford something? Put that student ID to use!

Navigation

- Home
- ▽ Resources
 - Forum
 - Free Fonts
 - How To
 - Links
 - Student Discounts
- Recent posts

Who's new

- pedamado
- Marta Sá
- deanfriedmanusa
- Carcasia
- missgiggles

Who's online

There are currently *0 users* and *0 guests* online.

User login

Username: *

Password: *

Log in



ScriptSource Community

HOME

COMMUNITY

- Members
- Staff
- Contacts

VISION

- History
- Inspirations

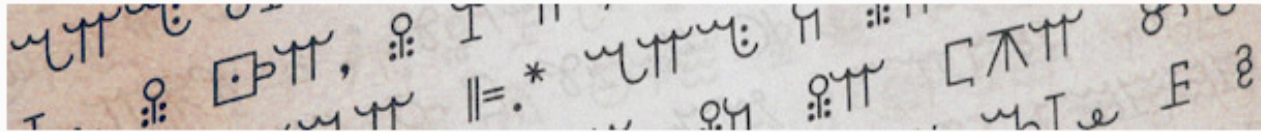
PLANNING

- Meetings
- Communication
- Funding

IDEAS

- Data Model
- Web Foundation
- User Interaction

Supporting the development of ScriptSource



The ScriptSource Community's purpose is to create and maintain a dynamic online reference to the writing systems of the world. The SSC is only now forming, so the structure and workings of the Community are likely to change over the next few months.

On this site you will find everything from latest news on ScriptSource to ideas for how the online reference may look and feel. We welcome any comments and suggestions you may have about the Community or ScriptSource itself. The best way to find out basic information is to read the [ScriptSource Vision](#). Then browse the links on the left for more details, especially about the Community itself. Then take a peek at the Ideas section, and particularly the UI Prototype. Let us know what you think!

Latest News

February 2007

After months of discussion, presentations and thinking, we're now unveiling our hopes and dreams for ScriptSource - and the ScriptSource Community. Please [write us](#) and give us your feedback.



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[Dhanya](#)
[àKa](#)
[Rachana w01](#)
[OFL - Aurium Logo](#)

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[LadyPhyllis](#)
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[LoveSquid](#)
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Support CC



[Home](#) » [People](#) » [Eimai](#) » "Euterpe"

Euterpe

by: [Eimai](#)
featuring: Ben Laenen
last change: May 02, 2007 08:44 am (File added)
date: May 02, 2007 08:41 am
tags: [media](#), [font](#), [how_i_did_it](#), [OFL](#), [archive](#), [zip](#), [image](#), [png](#), [symbols](#), [musicalsymbols](#), [opentype](#)
ratings: ★★★★★ (5.00/1)
license:  OPEN FONT LICENSE

[Euterpe Font \(TrueType\) \(53KB\)](#) ▼

[Source \(sfd format\) \(71KB\)](#) ▼

[Sample image \(28KB\)](#) ▼

Eimai says

This is version 1.0 (May 2, 2007)

Covers the Unicode musical symbols block, and some extra symbols in the private use area.

["How I Did It"](#)

Euterpe Musical Symbols font



Introducing

Metadata Integration

Open Font Library



Open Font Library

Advanced search

Search

Home

Fonts

Remix

People

Developer

Logged in as: [yosch](#) [log out](#)

Visitors

[Browse Tags](#)

[Submit Font](#)

Artists

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Support CC



Use this form to submit a font.

Name

Display name for file

Featured Artists

List any collaborating artists

File

Valid file types: zip, jpg, png, svg, tar, gz, pdf, ttf, otf, pcf, pfa, pfm, pfb,

afm, bdf

Browse...

Tags

Comma separated list of terms

Popular Tags [logo](#), [contest](#), [entry](#), [inkscape](#), [sans_serif](#), [inkscapeforum_de](#), [heathenx](#), [green](#), [blue](#), [abattis](#), [handwriting](#),

Click on these to automatically add to your upload. [sansserif](#), [display](#), [letter](#), [orange](#), [print](#), [red](#), [yellow](#), [hand](#), [calligraphy](#), [serif](#), [trace](#), [dark](#), [round_hand](#), [black](#)

Description

[+]

Not Safe For Work

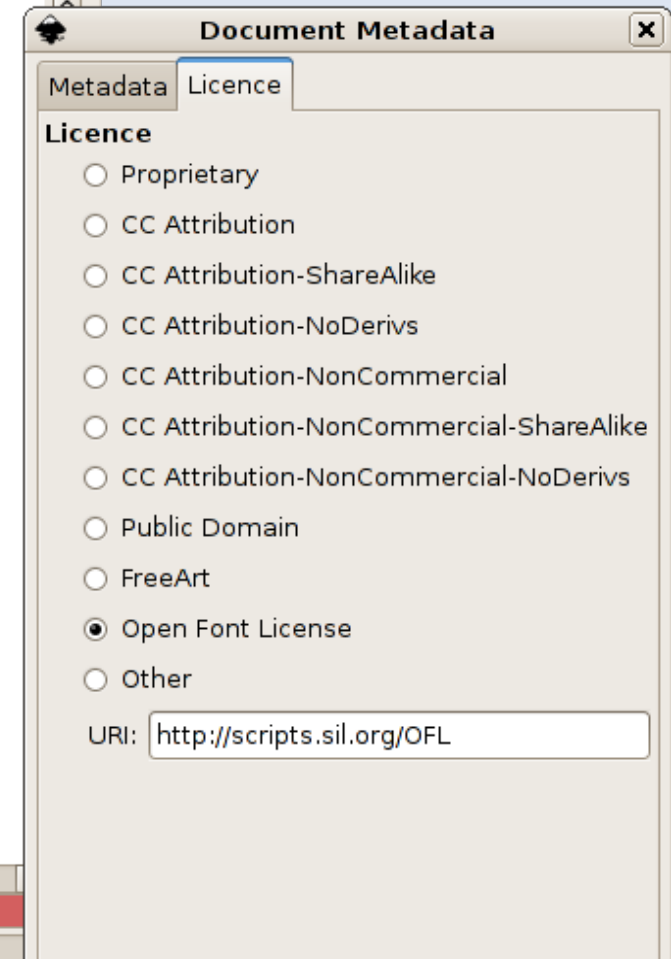
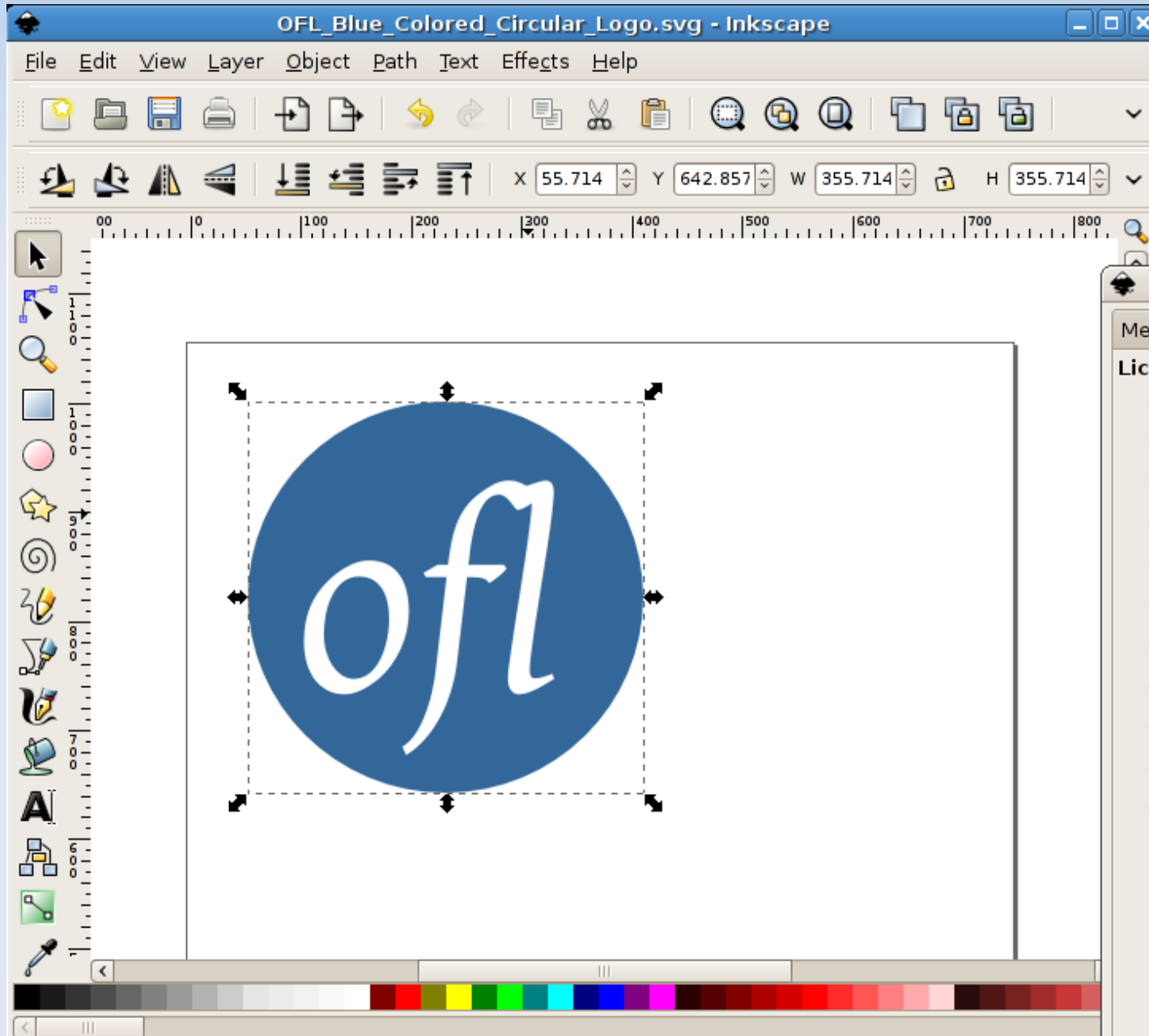
Mark this upload as [NSFW](#) if it contains questionable language.

License



Open Font License 1.1: The OFL allows the licensed fonts to be **used, studied, modified and redistributed freely as long as they are not sold by themselves**. The fonts, **including any derivative works**, can be **bundled, embedded, redistributed and/or sold with any software** provided that any **reserved names are not used by derivative works**. The fonts and derivatives, however, cannot be released under any other type of license. The requirement for fonts to remain under this license **does not apply to any document** created using the fonts or their derivatives.

Inkscape



fontdialog: GTK+ widget proposal



<http://unifont.org/fontdialog/>

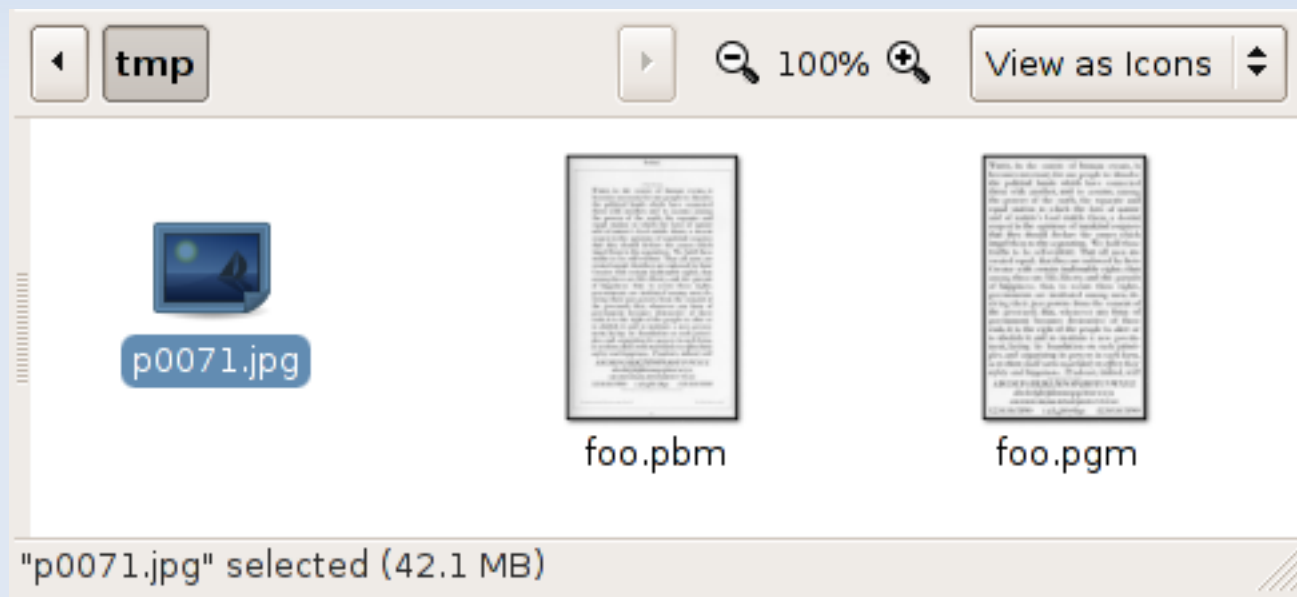
Proposal by Ed Trager

Introducing

Raph Levien's
Spiro

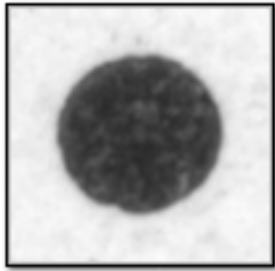
WHEN, in the course of human events, it becomes necessary for one people to dissolve the political bands which have connected them with another, and to assume, among the powers of the earth, the separate and equal station to which the laws of nature and of nature's God entitle them, a decent respect to the opinions of mankind requires that they should declare the causes which impel them to the separation. We hold these truths to be self-evident: That all men are created equal; that they are endowed by their Creator with certain inalienable rights; that

Scan

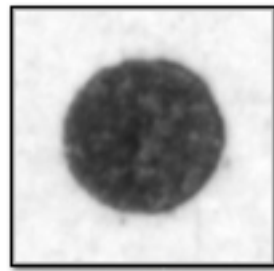


Segment

```
make segment.c
./segment < /tmp/foo.pgm > segs
1722 5 1725 8 0.666667 rect
1723.67 5.833333 ci
5145 0 5201 40 0.478571 rect
5172.67 26.0793 ci
4509 0 4588 41 0.499537 rect
4549.06 25.691 ci
6081 0 6136 41 0.466075 rect
6108.37 26.352 ci
4776 0 4860 42 0.524093 rect
4817.25 26.0303 ci
...
./cut.py segs < /tmp/foo.pgm
```



cut0015.pgm



cut0016.pgm



cut0017.pgm



cut0018.pgm



cut0019.pgm



cut0020.pgm



cut0021.pgm



cut0022.pgm



cut0023.pgm



cut0024.pgm



cut0025.pgm



cut0026.pgm



cut0027.pgm



cut0028.pgm



cut0029.pgm



cut0030.pgm

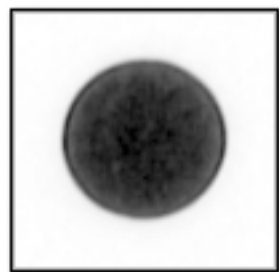
Blend

```
make blend.c
./blend -c /tmp/cut* | tee class
/tmp/cut0001.pgm: class0
/tmp/cut0002.pgm: class1
/tmp/cut0003.pgm: class2
/tmp/cut0004.pgm: class1
/tmp/cut0005.pgm: class3
/tmp/cut0006.pgm: class0
/tmp/cut0007.pgm: class4
...
./mkblends.py class
```

Blend



class



class0.png



class1.png



class2.png



class3.png



class4.png



class5.png



class6.png



class7.png



class8.png



class9.png



class10.png



class11.png

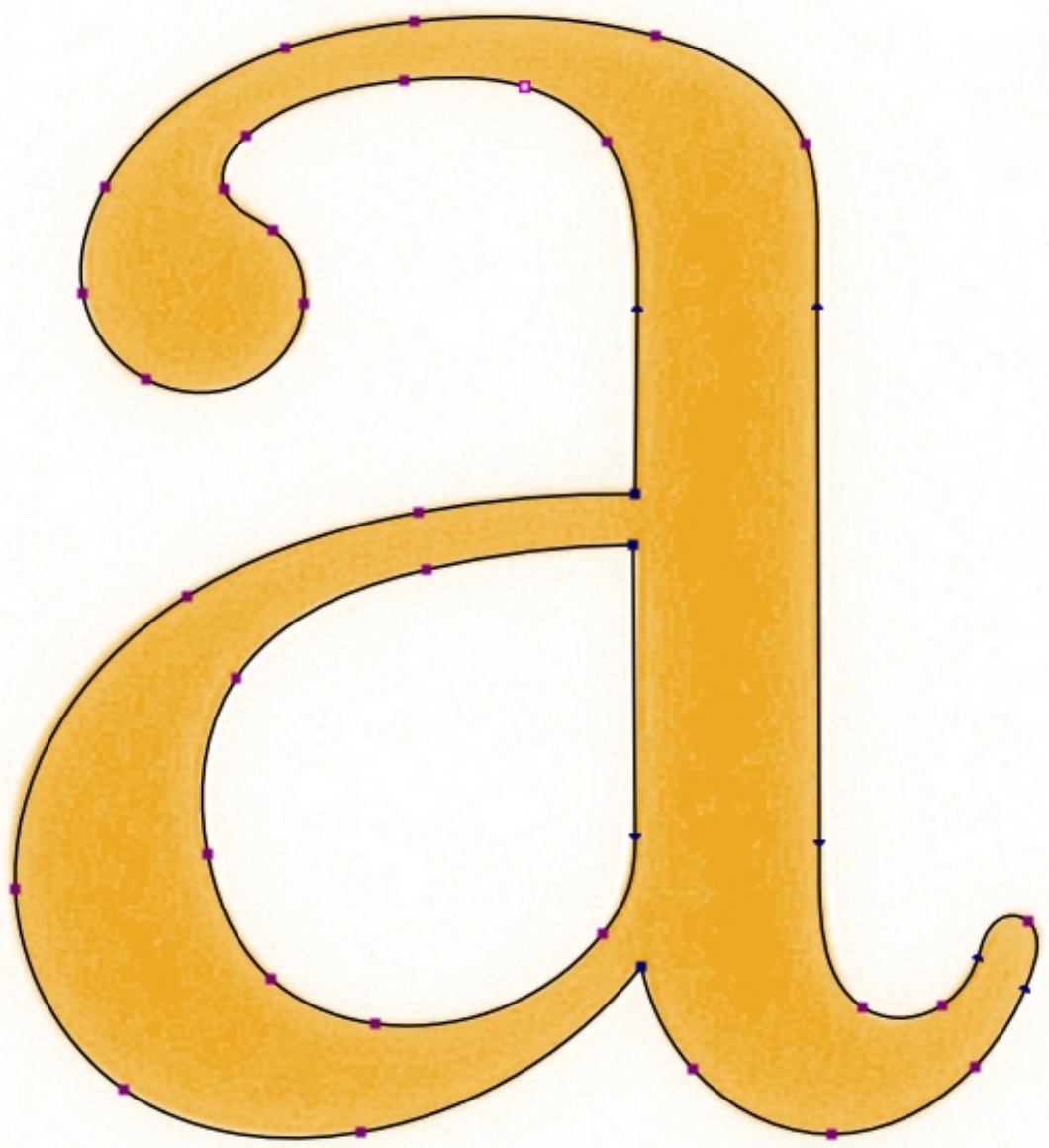


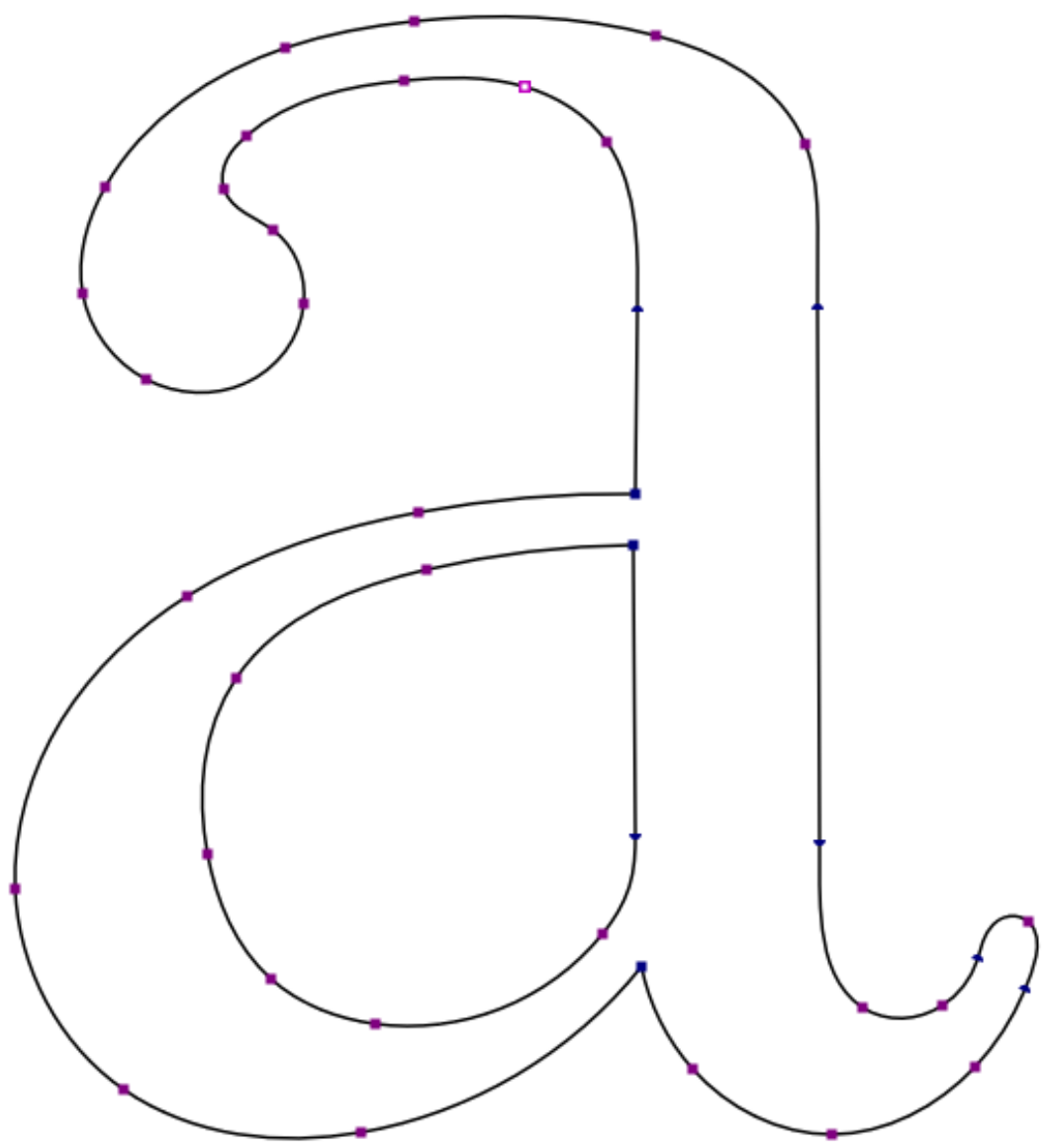
class12.png

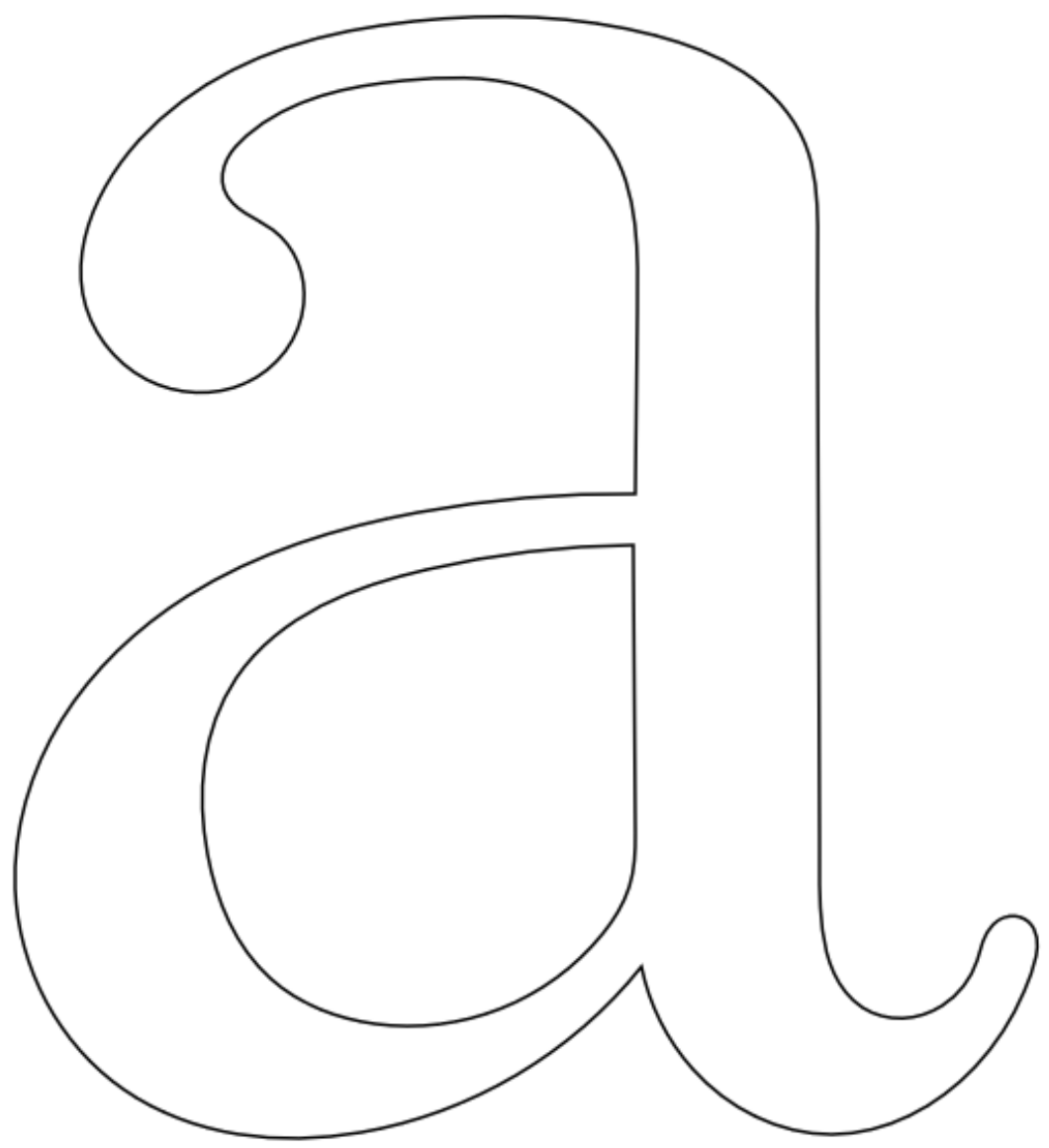


class13.png









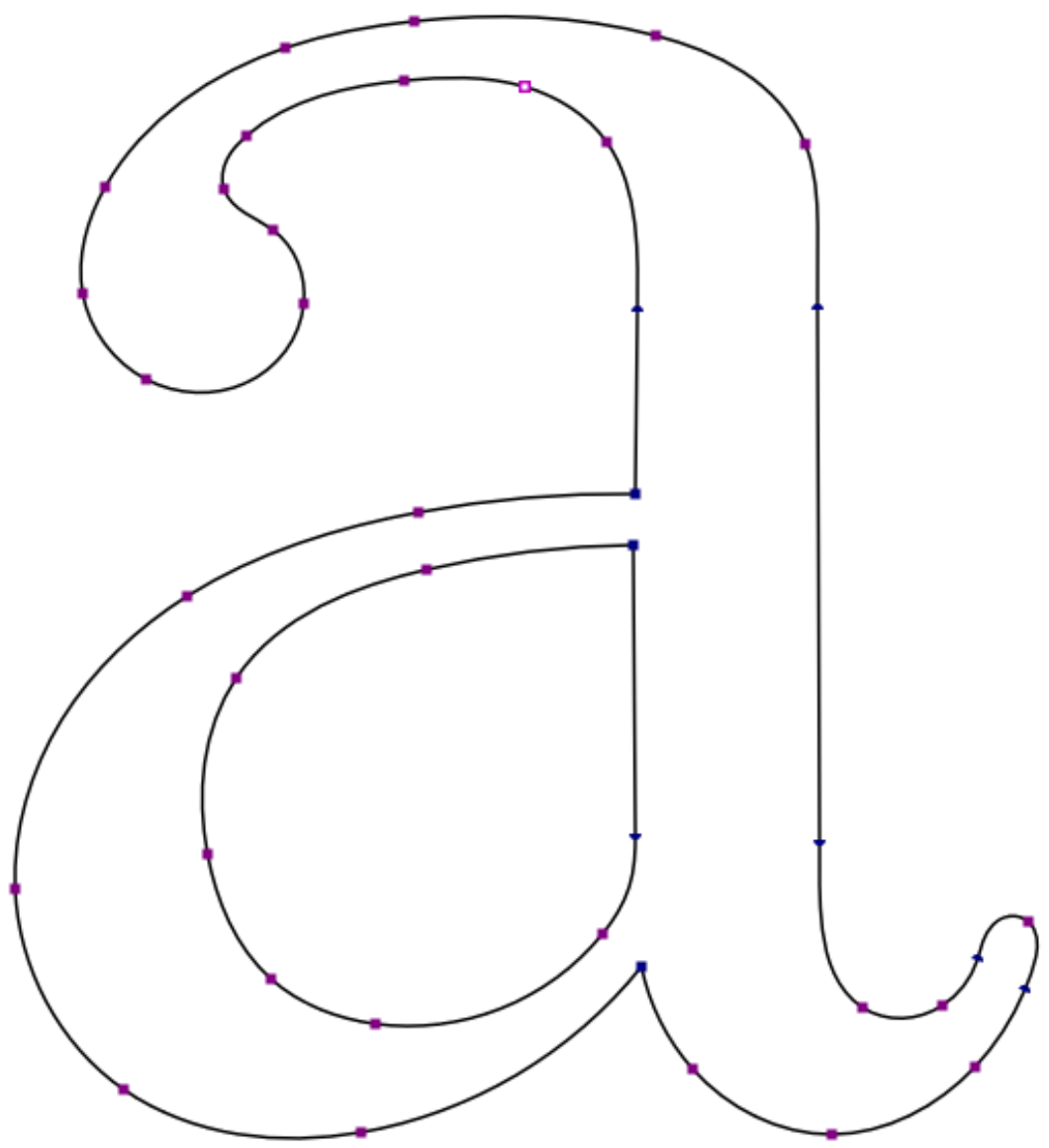
Why are these curves special?

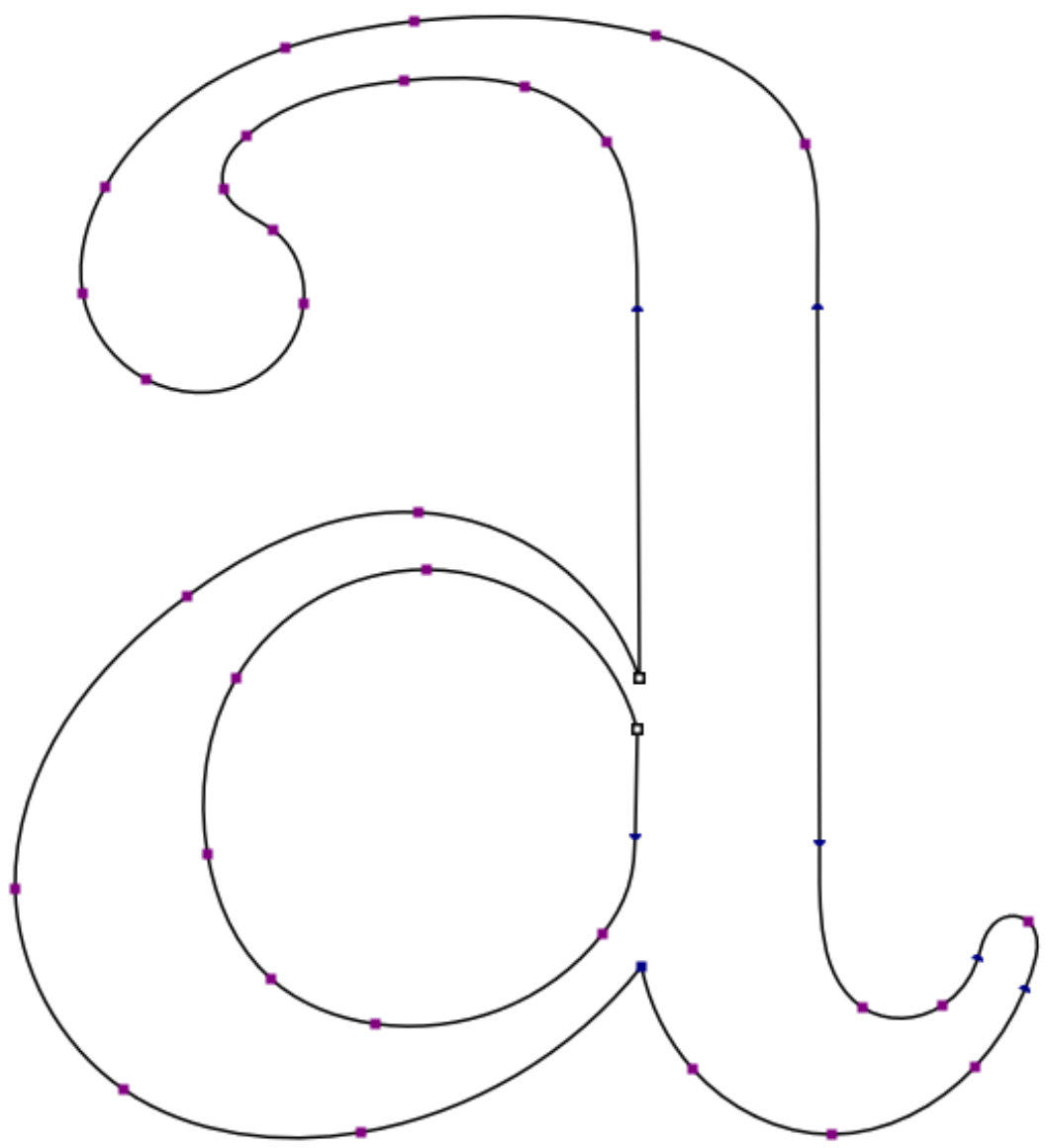
- Smooth

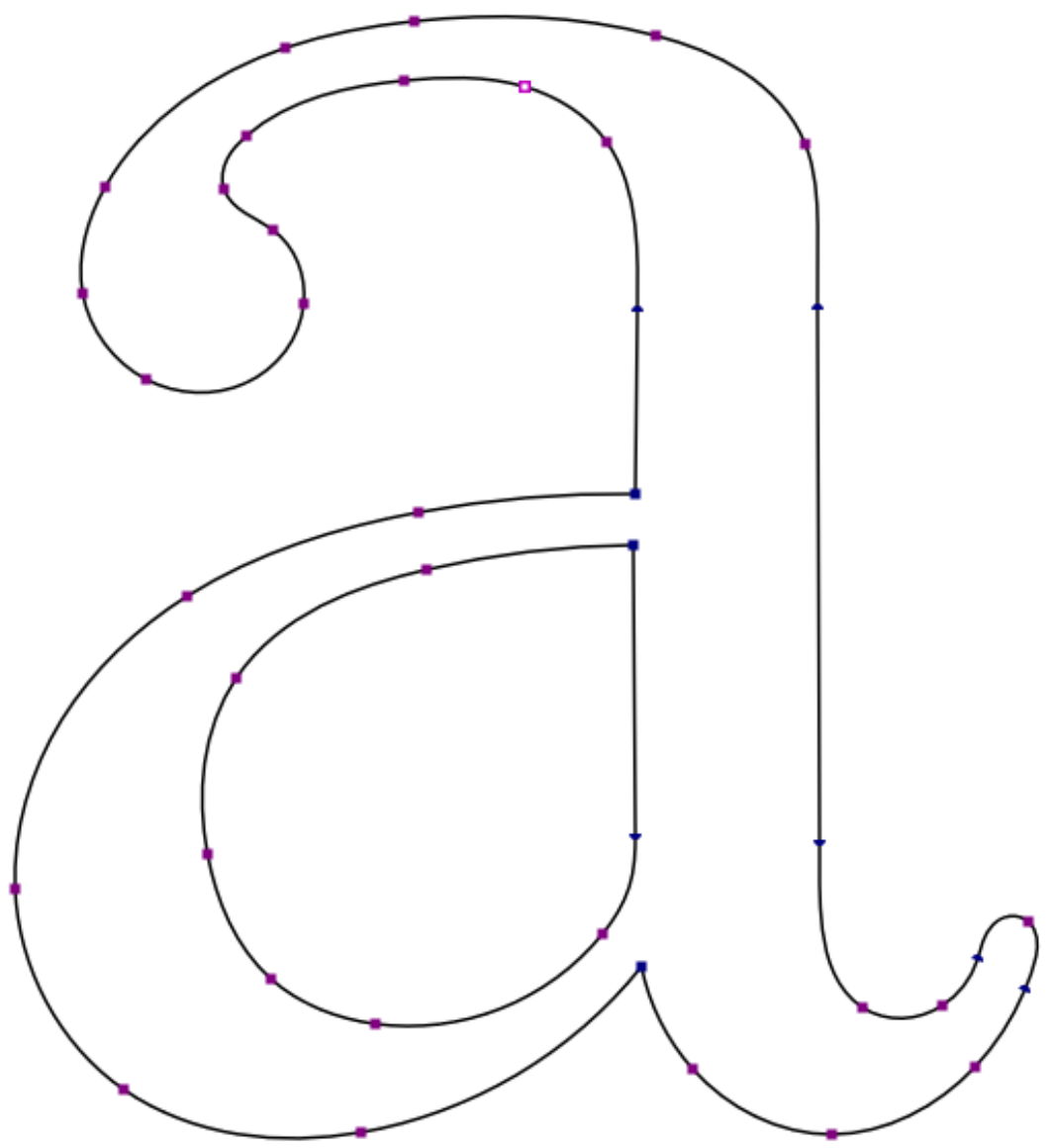
“Fairness refers to the overall smoothness of the curves resulting from arbitrary control polygons. Fairness is a somewhat slippery concept; there is no commonly agreed-upon criterion for quantifying it.

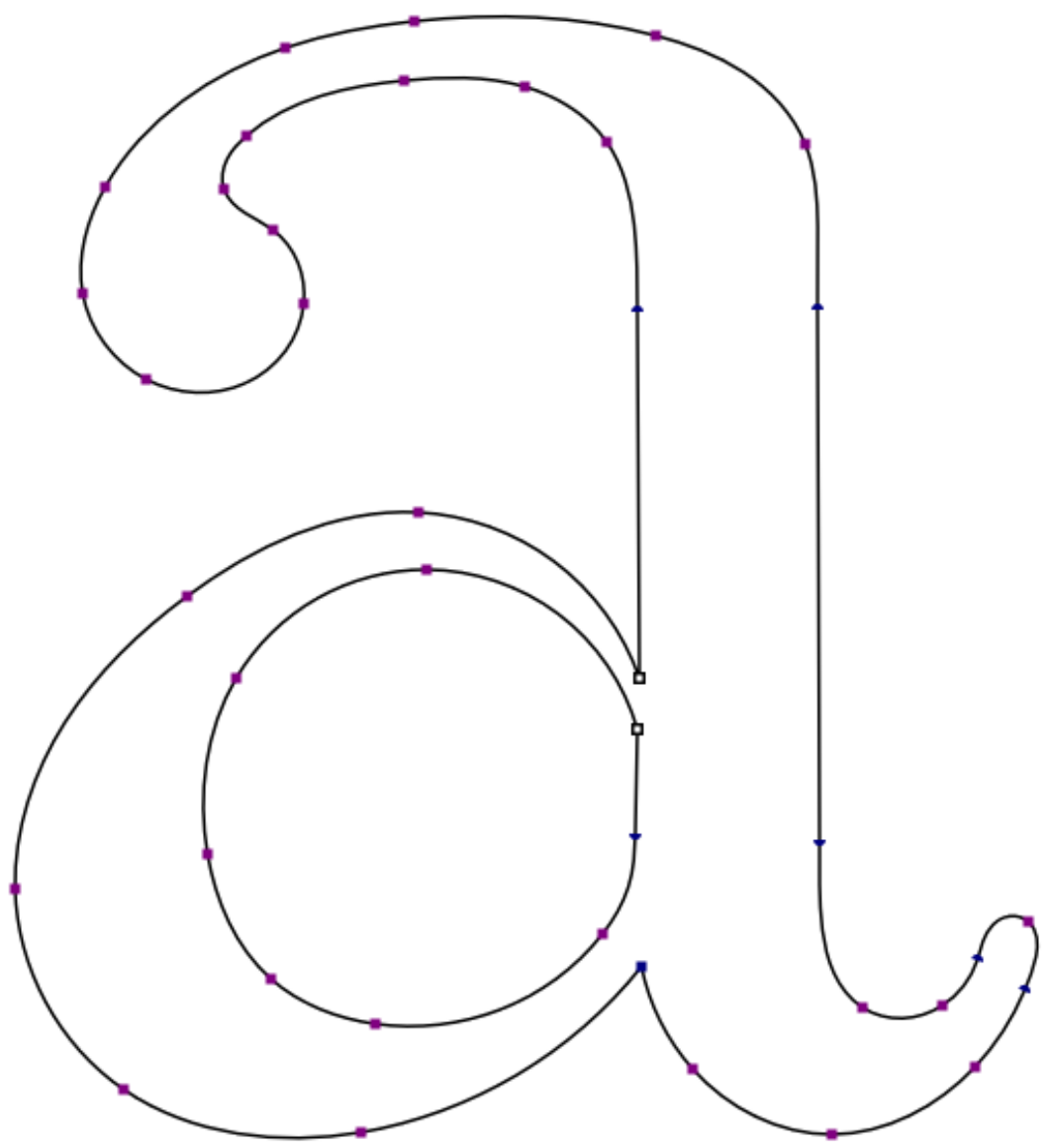
As in Justice Potter Stewart’s definition, “I know it when I see it.”

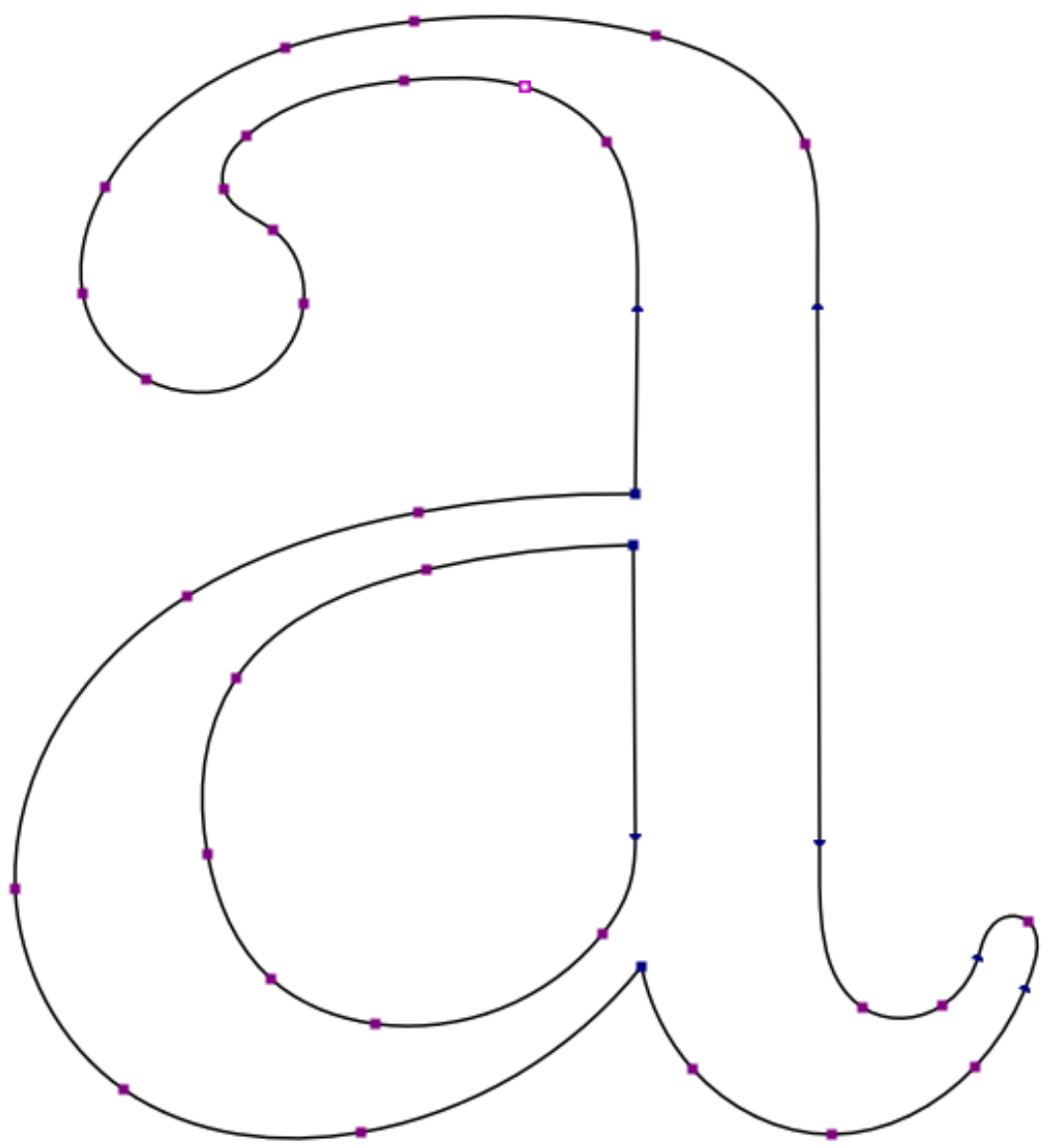
—Raph's PhD Thesis (out soon)

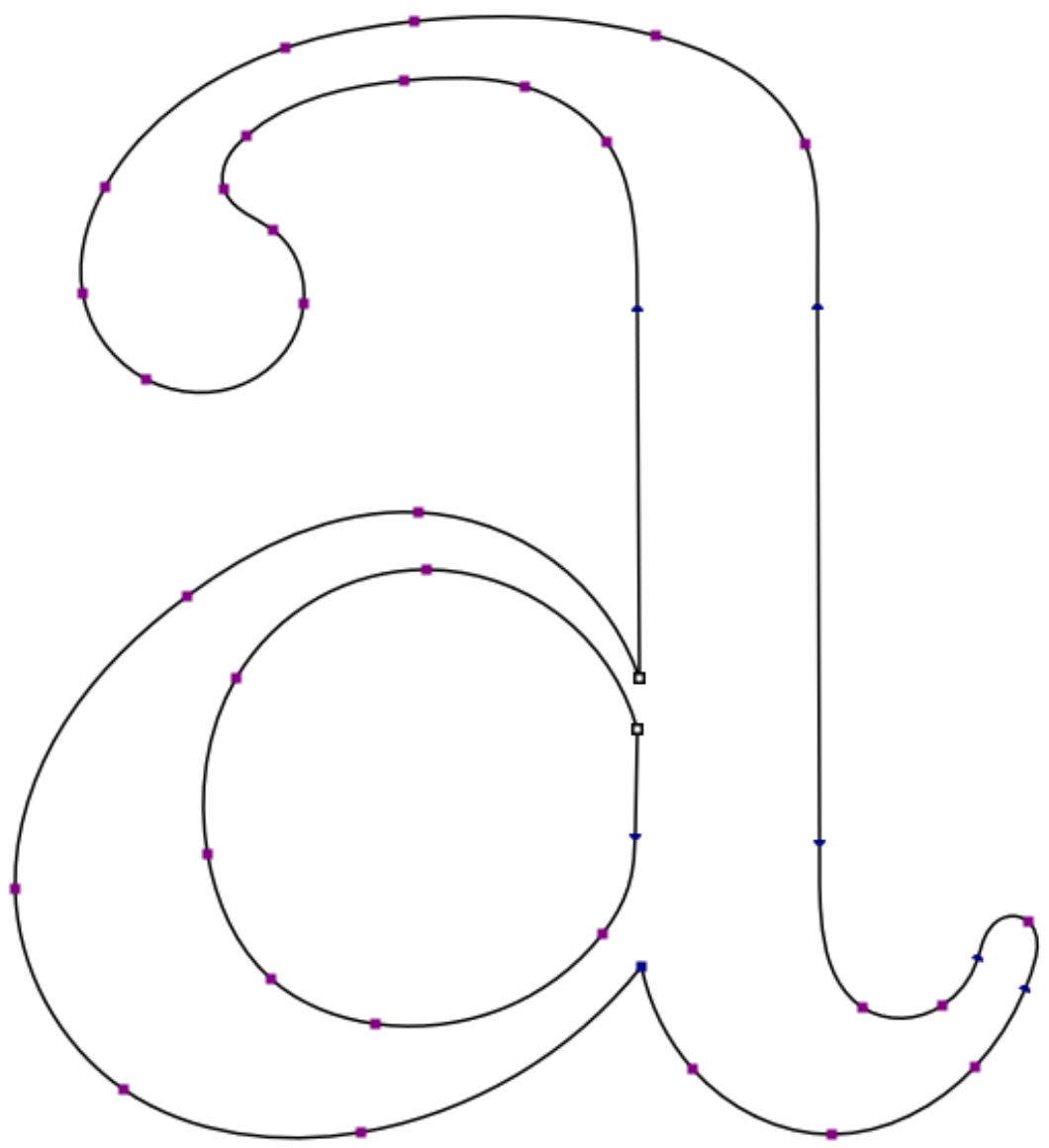












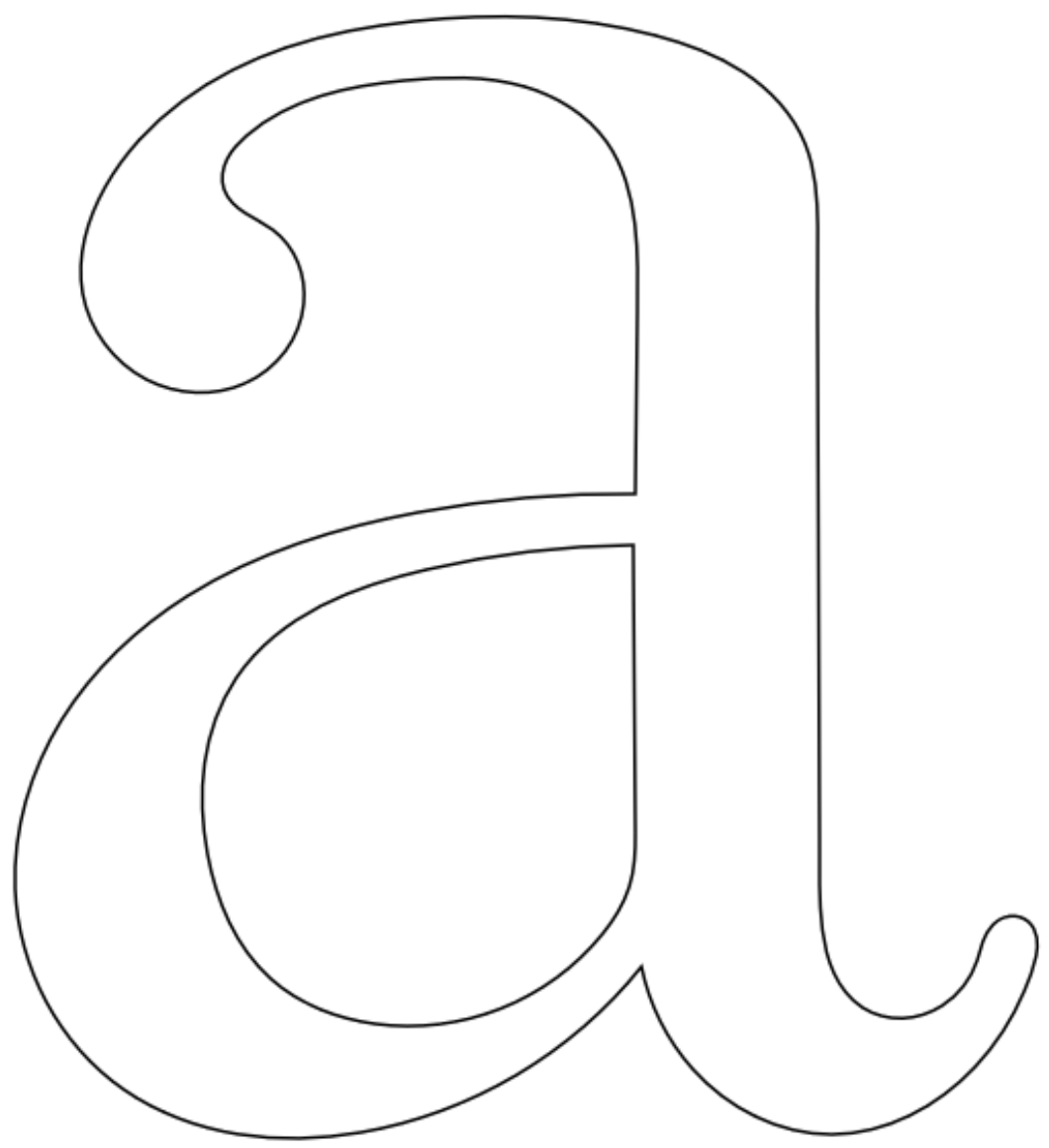
Why are these curves special?

- Intuitive drawing
- “Gosh, I feel sorry for all those poor type designers who are still stuck with using Beziers. It’s so much easier with spirals.

...

It’s not impossible to get good straight-to-curved transitions with Beziers, just difficult. It is very easy with my spiral tools.” —

<http://typophile.com/node/33389>



a a at 97 from foo

File Edit Point Element Hints View Metrics Window Help

302.1,290 100% Fore 499

V E Layer
 Fore
 Back
 Guide
 HHints
 VHints
 DHints
 Blues
 Anchors
 HMetrics
 VMetrics

foo a18.sfd (ISO8859-1)

File Edit Element Hints Encoding View Metrics

134 (0x86) U+0086 uni0086 C1 dn

	^	
·	a	b
	a	
c	d	e
f	g	h

a at 97 from foo

File Edit Point Element Hints View Metrics Window Help

302.1,290 300% Fore

Mse1
^Mse1
Mse2
^Mse2

- V E Layer
- Fore
- Back
- Guide
- HHints
- VHints
- DHints
- Blues
- Anchors
- HMetrics
- VMetrics

foo a18.sfd (ISO8859-1)

File Edit Element Hints Encoding View Metrics

110 (0x6e) U+006E n Basic Latin

	^	
	a	b
	a	
c	d	e
f	g	h

Get the code

- <http://levien.com/spiro>
- GTK+2, Cairo
- Cool python scripts
- ITP underway - apt-gettable soon

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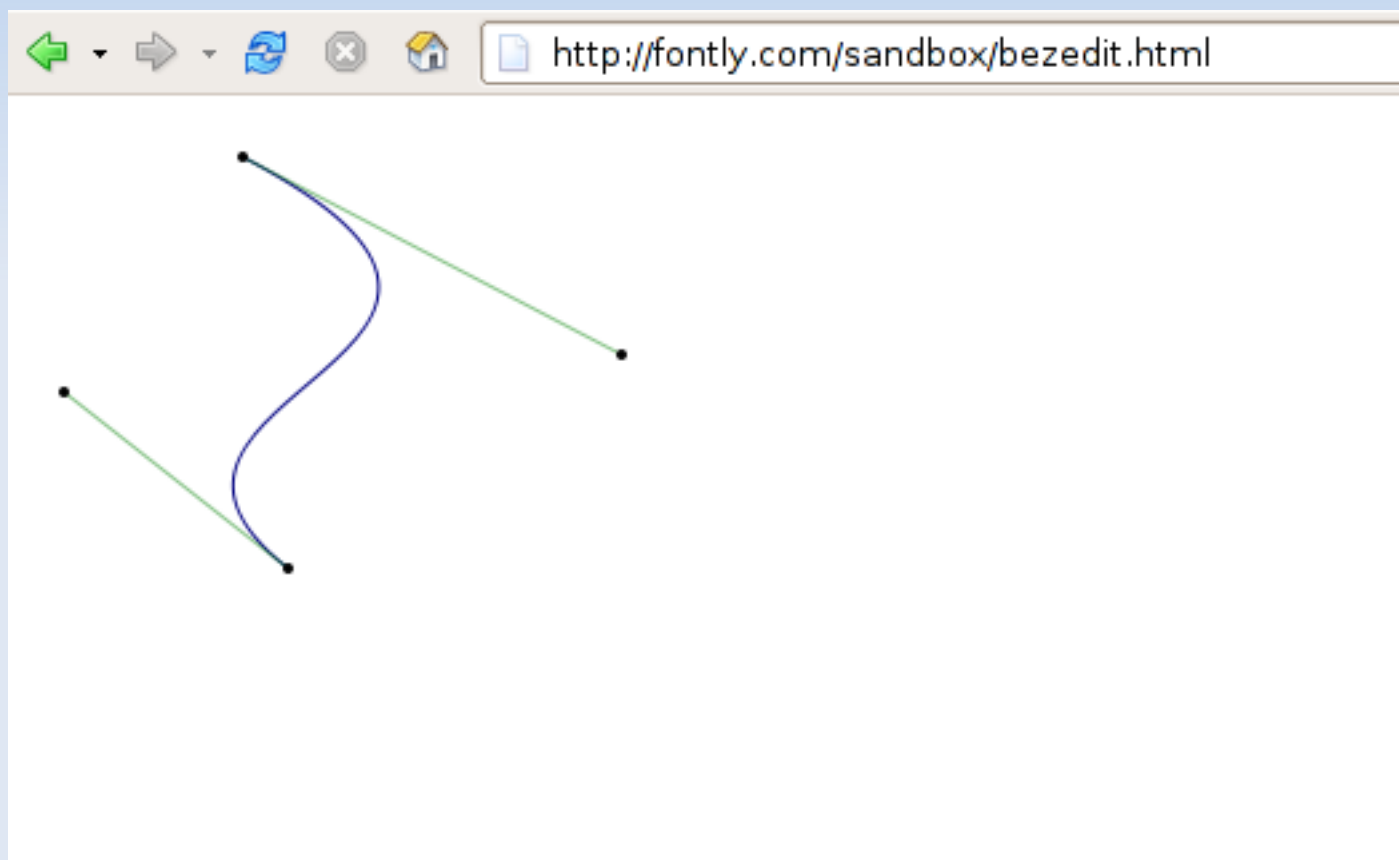
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(Worked out well for gimp-print)

The Future? Fontly.com



Other cool font-related tools

- `gnome-specimen`
- `fontpython`
- `xgridfit`
- `inkscape`
- `font::TTF`
- `hinting-viewer`

- a bunch of python / perl scripts

Mark's 3 key things for collaboration

- Freedom-driven licensing
- Strong and respectful community
- Distributed revision control

- Collaboration with derivatives (Ubuntu), other major distros, BSDs?
- A core freedesktop.org open font set?

Why not other license like GPL?

- grey areas: embedding, status of derivatives
- name and reputation protection
- cheap selling circuit problems
- cultural problems, hard readability, software-specific
- license proliferation for fonts: exceptions
- definition for font sources
- neutrality and reusability

Why does the OFL has that others don't?

- explicit embedding, artwork deriving clause
- best nexus for branching & name/reputation protection
- restriction on selling: BundlingWhenSelling
- very readable: FAQ, visual representation
- unify font licenses: inheritance
- clearer and more inclusive definition for font sources
- neutrality and reusability: not project or .org-specific

Concerns from debian-legal

- trademark over copyright
- interpretation of DFSG #1
- naming restriction
- GPL incompatible
- licensing proliferation
- fontconfig files under the OFL
- packaging as branching
- using random RFN
- definition of a document
- merging a font with software

- the FTP masters still decide and have made a decision in favor of OFL 1.0 and OFL 1.1

What's next?

- Encourage designers to release their fonts
- Package and maintain more open fonts
- Integrate the design toolkit available in Debian
- Play with font design tools
- Release your playware, host a branch
- Hack on the design toolkit
- Contribute to tutorials

The Go for OFL campaign

unifont.org >> Go for OFL!

Go for OFL!

The Open Font License (OFL) is a new FLOSS community license created by [SIL International](http://sil-international.org). It has been specifically designed for licensing fonts. [Unifont.org](http://unifont.org) has joined with [FreeDesktop.org](http://freedesktop.org), [SIL International](http://sil-international.org), The [Gnome Foundation](http://gnome.org), [KDE e.V.](http://kde.org), the [Linux Foundation](http://linuxfoundation.org), and the [Free Software Foundation](http://fsf.org) to promote and popularize use of the OFL all over the world. We hope that you will add momentum to this campaign by joining us to help promote use of the OFL as the preferred Free/Libre Open Source Software (FLOSS) license for fonts.

The OFL is recognized by the [Free Software Foundation \(FSF\)](http://fsf.org). It adheres to the values and [guidelines of the FSF](#), the [Debian Free Software Guidelines](http://www.debian.org/doc/faq/free-software.html), as well as the [Open Source Definition](http://opensource.org).

The OFL provides a legal framework and infrastructure for worldwide development, sharing, and improvement of fonts in a collaborative manner. The OFL protects the rights of font authors while permitting font authors to release their work under a common license that allows the fonts to be bundled, modified, and redistributed. It encourages shared value. It is not limited to any specific computing platform or environment. And it can be used by organisations and individuals alike.

In order to learn more about how the OFL can benefit font authors and font users, please visit the following resources:

- [SIL's Open Font License Page](#)
- [SIL's OFL FAQ](#)
- [OFL Text](#)
- [OFL Campaign Letter Template \(ODT format\)](#)
- [OFL Campaign Letter Template \(PDF format\)](#)



Go for OFL! News

2006.11.04 -- [Go for OFL! page made public.](#)

2006.10.07 -- [Presentation on the Go for OFL! campaign at Gnome Live! 2006 in Boston.](#)

2006.08.01 -- [Go for OFL! Find out about the new campaign to promote SIL's Open Font License as the preferred FLOSS license for fonts.](#)

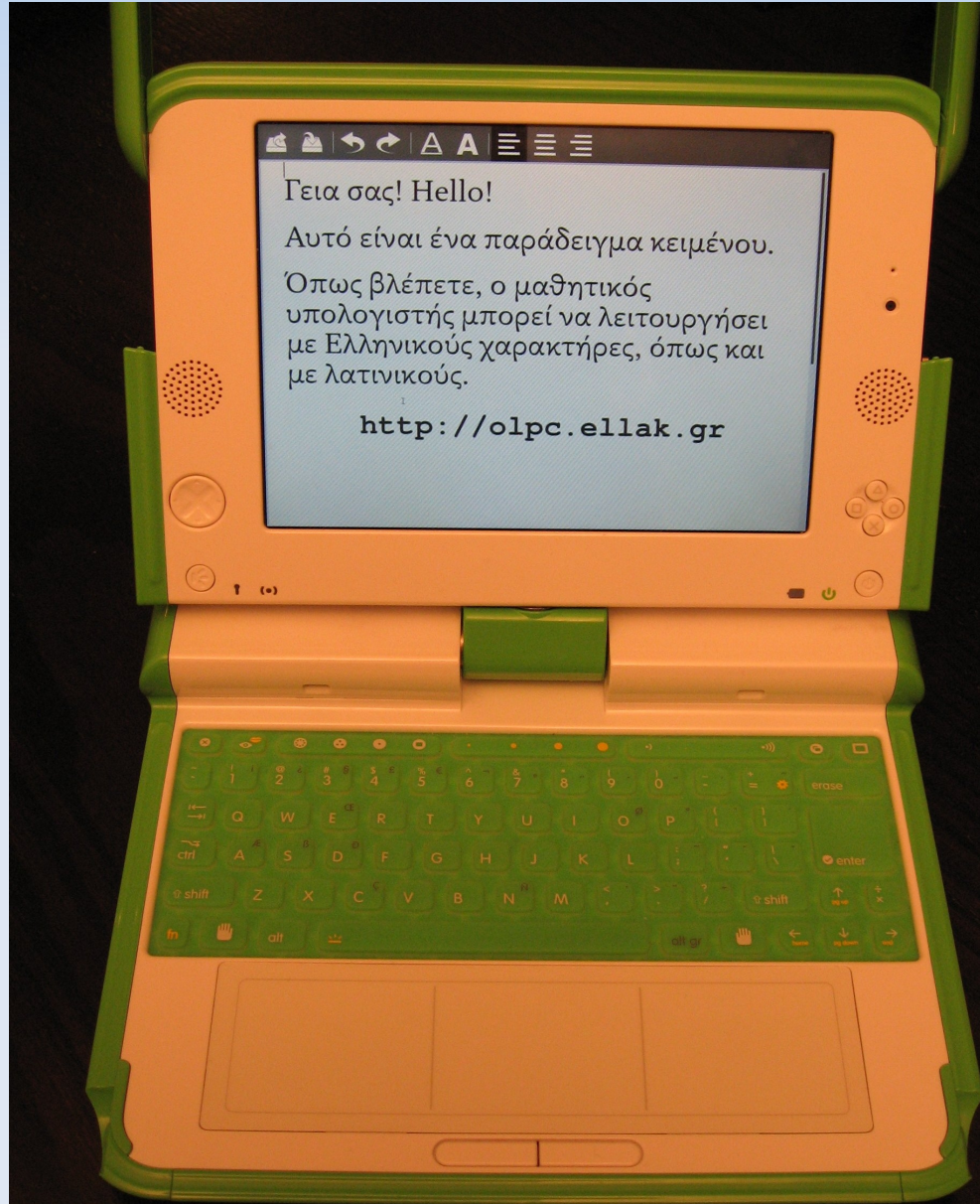
Open fonts for the OLPC

*one open font
per script*

please think of the children :=)

*huge challenges for i18n
needs for local branching to adapt existing fonts
collaborative font design OLPC-style*

OLPC Greece and Gentium



And now...

fonts BoF

*open discussion...
about open fonts and related stuff*

BoF questions

Team packaging policy?

Best practise suggestion for upstream? (FONTLOG, coverage status, design guides)

Defoma? fontconfig snippets? package naming?

Updated font section on the policy?

Community projects we should work with?

Font packages on the horizon?

Contacts to get more open fonts released? (OFL campaign)

Project website?

Continuous font review?

Metapackages per locale, better categorisation?

Common default font set for interop?

Collaboration with Ubuntu and other derivatives?

BoF questions

Font-family extension for the browser?

Metapackage to pull in all the toolkit to do open font design?

Making Debian a friendly environment for font designers?

Font management?

Metadata integration and exposure?

Smart fonts support: OpenType, Graphite?

Getting the Debian logo to use an open font?

More font sources?

Buildbot for open fonts?

Tutorials and documentation?

BoF questions

Debfont review (extensions to Miriam's script)?

ITPs underway?

Fontforge/Spiro scripts collection?

Preferred font format?

Ways to encouraging more maintainers to join the team?

Interaction with other components? i18n team?

Translator's recommendation for the ideal font per locale?

Font testing infrastructure?

udebs for d-i?

Font features?

BoF questions



[Alioth FAQ](#) - [AliothPackagingProject](#) - [SVN repository](#) - [Team Mailing-list](#) - [Bugs Mailing-list](#)

pkg-fonts team - Debian Fonts Task Force

Debian Fonts Task Force

Welcome to the website of the pkg-fonts team.

Current [review of fonts](#) and font metadata in the archive with previews. The aim of this Debian team is to:

- maintain open fonts
- maintain related software forming the toolkit to do open font design
- review existing fonts in the archive for redundancy, description accuracy, licensing compliance
- be in touch with the type design community to encourage them to use FLOSS licenses for their creation
- test and tweak the interaction of fonts with other parts of the OS especially in the area of i18n (Unicode coverage, style coherence per language, smart features, etc)
- create the appropriate metapackages

The team is open to everyone who would like to help.

We will work together with projects related to open/libre fonts like [OpenFontLibrary.org](#) the [unifont.org/fontguide](#), the [Ubuntu fonts team](#), the [TextLayout Summit](#) and the [LibreGraphicsMeeting](#) communities.

Links around open fonts

[fontforge](#)
[gnome-specimen](#)
[fontpython](#)
[spiro](#)
[xgridfit](#)
[inkscape](#)
[Font:TTF](#)
[Hinting-viewer](#)

Brought to you by members of the Debian [pkg-fonts team](#): free the glyphs!

Colophon

- made with open fonts:
 - Gentium
 - Andika SIL
 - Inconsolata
- using Debian Sid

You rock!

Thank you all for your work in Debian.

Questions?

get the font schwag!