

Type:Bits

GRID-BASED TYPEFACES

SHOPLIFT

SHOPLIFT

SHOPLIFT

SHOPLIFT

SHOPLIFT

SHOPLIFT

ANALOGUE
START



PAPER VERSION
CONTROL

LIFT

gitlab.com

	B	E	I
F	H	i	P
M	H	O	P
S	T	V	W
Y	Z	Ø	1
4	5	6	7
8	9		

A	B	D
G	K	J
M	H	P
E	T	U
Y	Ø	1
4	5	6
7	8	9



FIN



SALIDA
LA INFORMACIÓN QUE SE DEBE DAR AL
CLIENTE
DEBES DE PLACER, DURANTE EL
COMIENZO DE NUESTROS SERVICIOS,
LLAMAR AL PISO TELÉFONO ANTES DE
CONVERTIRTE EN UN CHARIO
DE TELEFONOS Y PENSARLON A
RECOGIBLE CON UNA PAÑA.

FIN

gitlab.com



RAPID
DEVELOPMENT
AND DECISION
MAKING

DO

WIC

WIC

PERIOD

PERIOD

NO

WIC

WIC

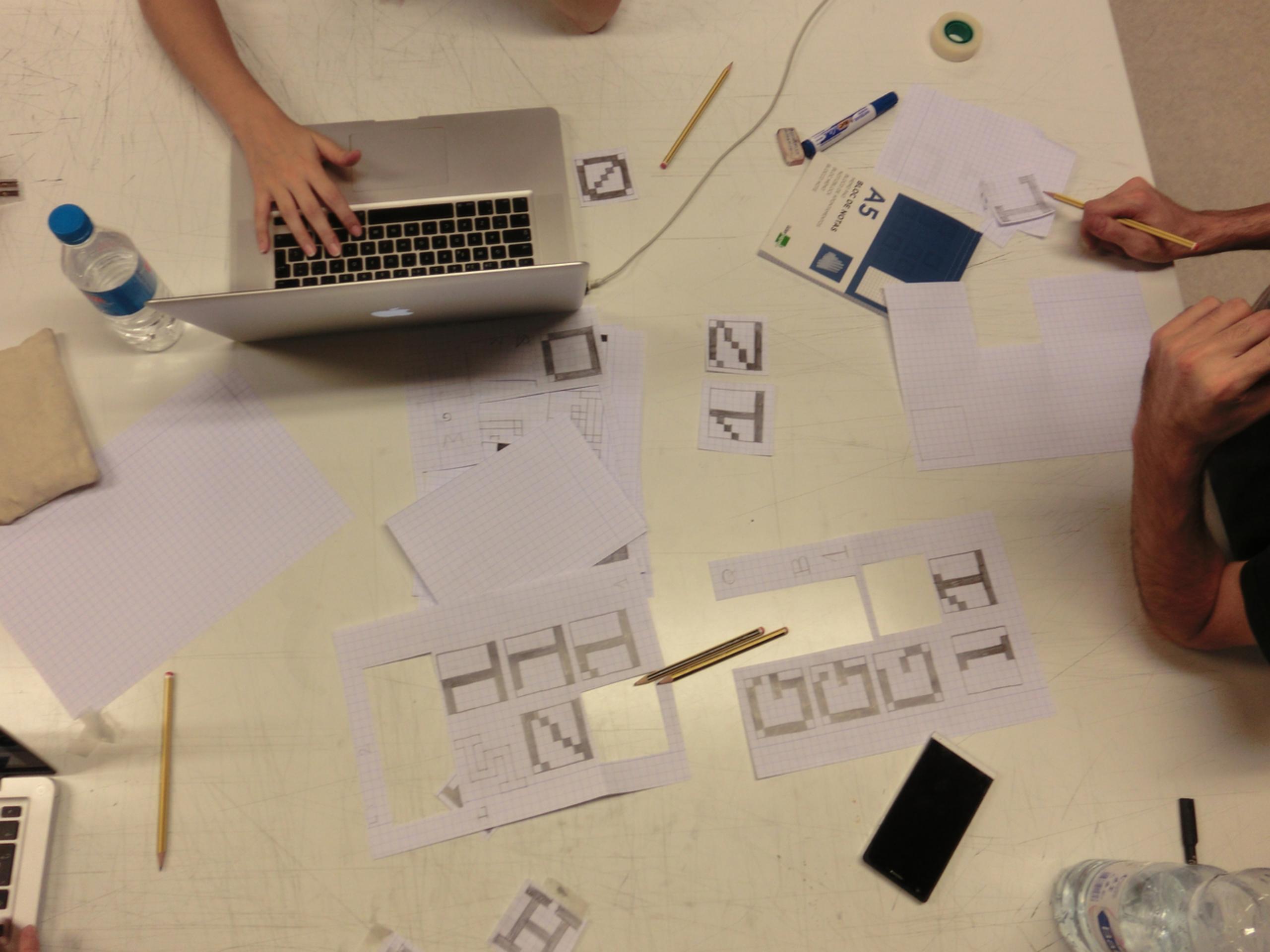
WIC

WIC

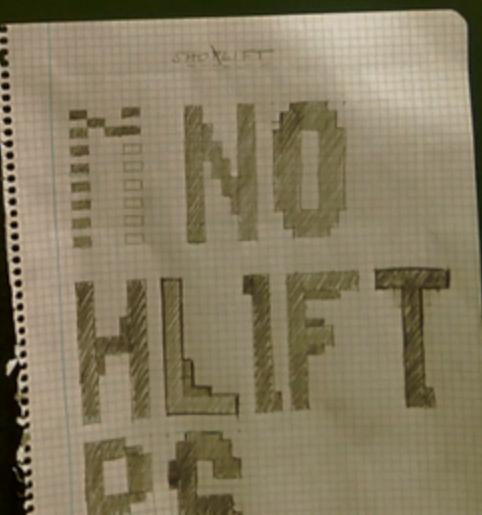
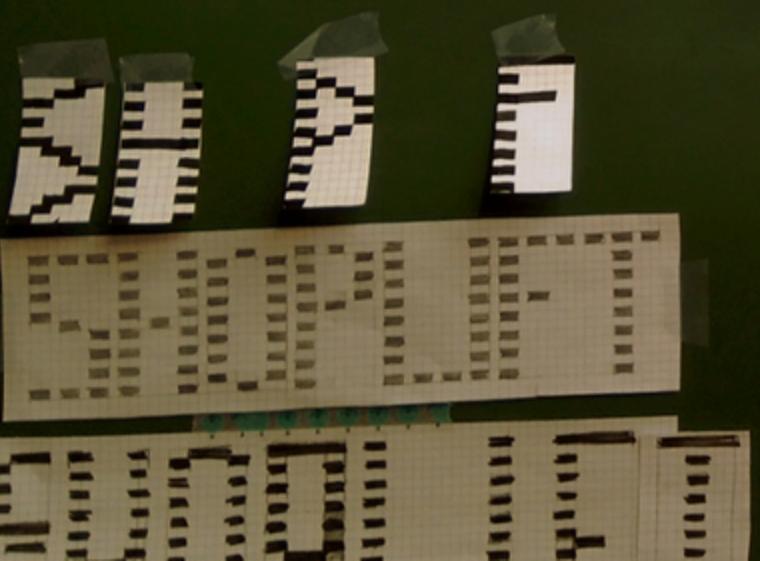
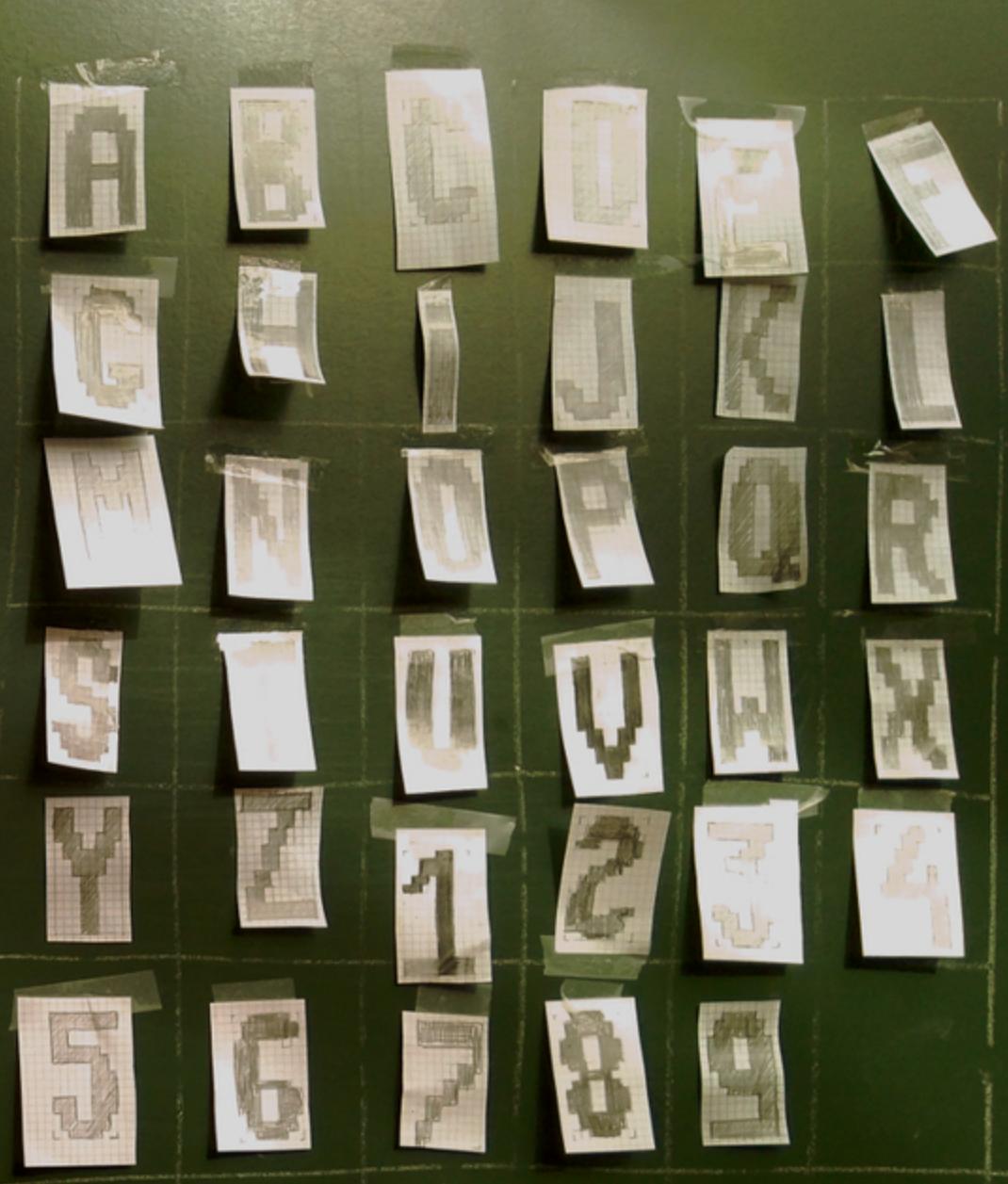
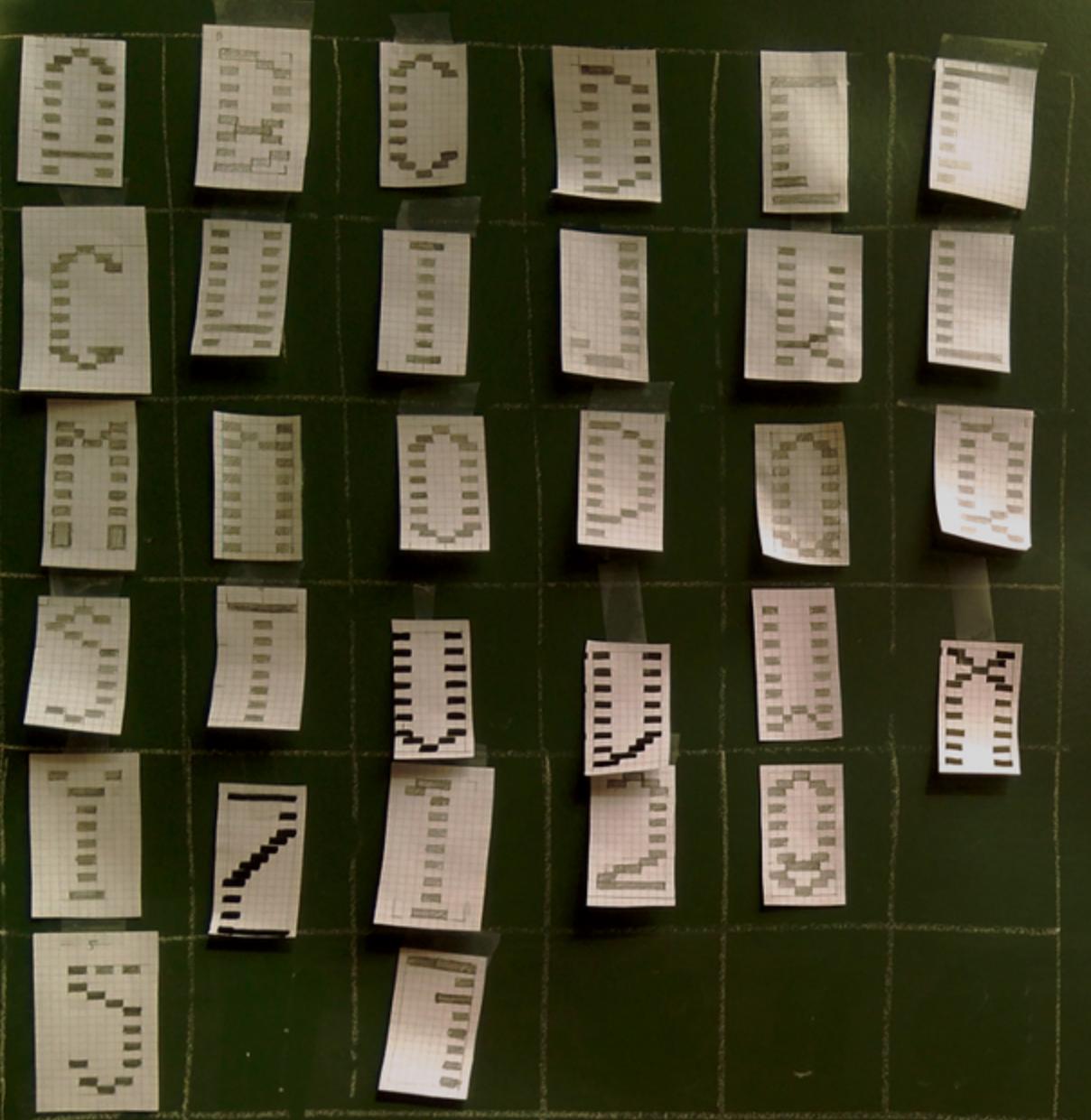
WIC

WIC

DESIGN
TOGETHER
IN GROUPS



ALWAYS END
WITH FINISHED
FONTS



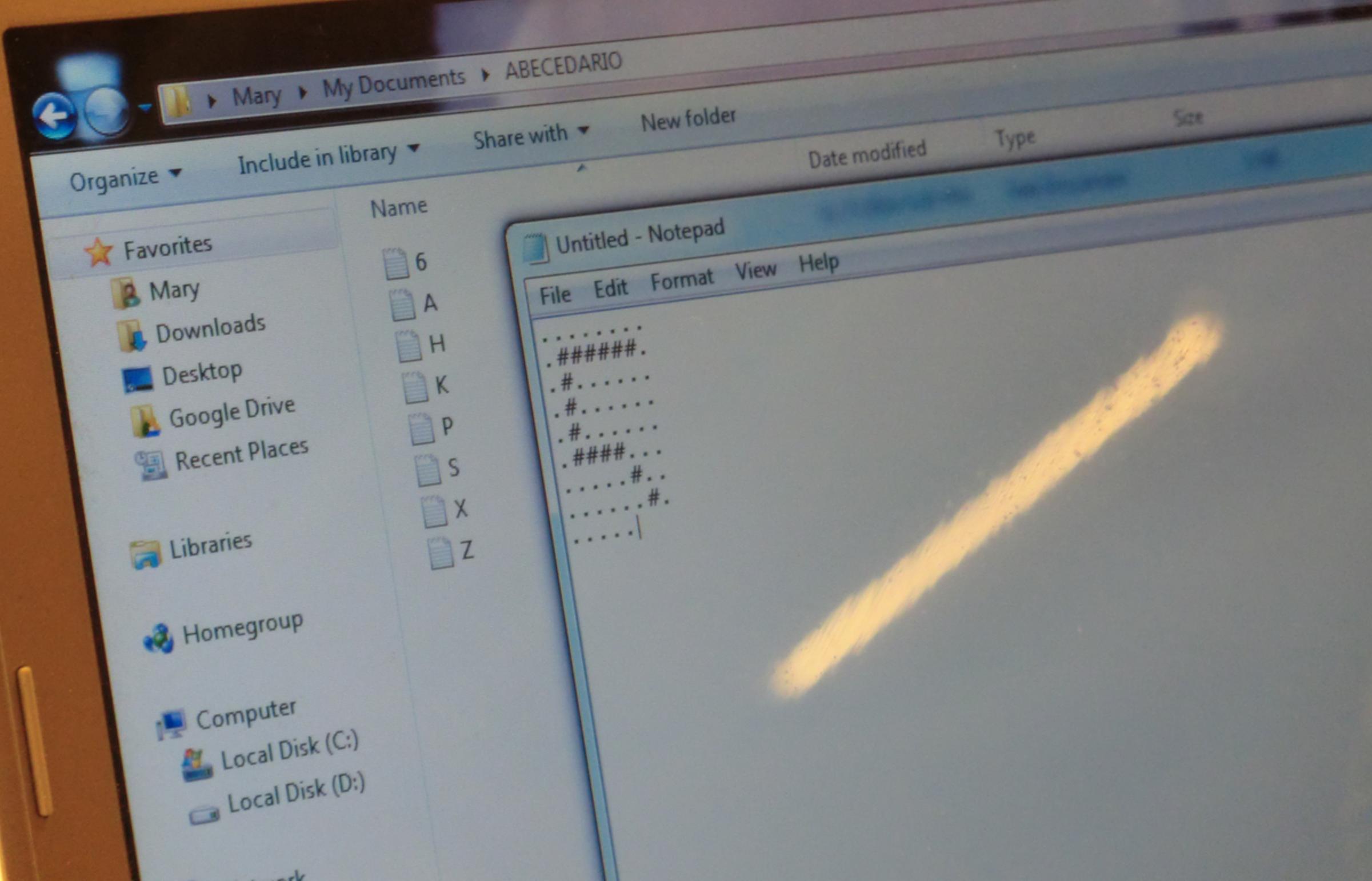
FLOSS TOOLS

LIBRE LICENSES

EDITORLESS APPROACH







SISPERDOTZE

A B C D E F G
H I J K L M N
O P Q R S T U
U V W X Y Z
1 2 3 4 5
6 7 8 9 0

SETPERSET

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
1 2 3 4 5
6 7 8 9 0

DEUPERSET

A B C D E F G
H I J K L M N
O P Q R S T U
U V W X Y Z
1 2 3 4 5
6 7 8 9 0

MOEBLOCK

A B C D E F G
H I J K L M N
O P Q R S T U
U W X Y Z
1 2 3 4 5
6 7 8 9 0

TUCAN

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
1 2 3 4 5
6 7 8 9 0

FLAMINGO

A B C D E F G
H I J K L M N
O Q R S T U
V W X Y Z
1 2 3 4 5
6 7 8 9 0

HUESTRUZ

A B C D E F G
H I J K L M N
O P Q R S T U
U V W X Y Z
1 2 3 4 5
6 7 8 9 0

LADRILLO

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
1 2 3 4 5
6 7 8 9 0

ROSETA

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
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
2 3 4 5 6 7 8 9 0

PERSIANA

A B C D E E C H I J K L M
N O P Q R S T U V W X Y Z
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
1 2 3 4 5 6 7 8 9 0

MURALLA

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
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
1 2 3 4 5 6 7 8 9 0

SPALTE

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
I I I I I I I I I I I I
N N N N N N N N N N N N
T T T T T T T T T T T T
U U U U U U U U U U U U
W W W W W W W W W W W W
A A A A A A A A A A A A
B B B B B B B B B B B B
O O O O O O O O O O O O
P P P P P P P P P P P P
Q Q Q Q Q Q Q Q Q Q Q Q
R R R R R R R R R R R R
S S S S S S S S S S S S
T T T T T T T T T T T T
U U U U U U U U U U U U
V V V V V V V V V V V V
X X X X X X X X X X X X
Y Y Y Y Y Y Y Y Y Y Y Y
Z Z Z Z Z Z Z Z Z Z Z Z



Libre font design workshops

Since 2013, [Manufactura Independente](#) have been developing a set of workshops dedicated to type design by means of bitmap fonts and F/LOSS development methodologies.

The Type:Bits workshops have been hosted in [Barcelona](#), [London](#), [Tomelloso](#), [Avilés](#) and [Graz](#). If you are interested in hosting one of these, do get in touch through our e-mail address: [hi \[at\] manufacturaindependente \[dot\] org](mailto:hi [at] manufacturaindependente [dot] org)

About the workshops

The main objective of each Type:Bits workshop is to collaboratively develop at least one finished font in the course of a few hours.

To achieve this, we focus on [bitmap fonts](#), which are ideal to introduce design restraints and facilitate the explanation and application of basic type design concepts. We also employ a custom font format that facilitates collective design, and approach the font design process by using non-conventional means of designing typefaces, from plain text

★★★★★ Introducing ★★★★★

graphicore Bitmap Font

A bold italic swash bitmap typeface.

★★★★★

Nearly 50 fonts available now.

And they're getting more — visit <http://graphicore.de> for the latest information.

★★★★★

The finest signatures included.

These fonts are kerned and use some cool OpenType features.

★★★★★

Free as in freedom Ⓢ Copyleft applied.

This is an invitation to you — start your own font or expand the code — it's easy.

★★★★★

Stackable Typography

All of the ever growing number of fonts use the same metrics.

★★★★★

Resolution is finite! Anti-aliasing is a lie!

Using these fonts is a statement towards the core elements of perception of our times — pixels.



★★★★★



graphicore Bitmap Font Building—updated

This is the release of the typeface “graphicore Bitmap Font” and the script that built it: “graphicore Bitmap Font Building”—both as Free and Open Source Software under the SIL Open Font License (OFL) and GNU Affero General Public License (AGPL).

There's an update at the bottom of this page.



graphicore Bitmap Font

is a bitmap typeface that was early inspired by [Underwares Sauna bold italic swash](#) and eventually went on its own way. It's crisp on the screen at a size of 8 px and multiples thereof. However the intended use case lies rather in display sizes. Using these fonts is a statement towards the core elements of perception of our times—pixels. Resolution is finite. Anti-aliasing is a lie!

graphicore Bitmap Font Building

The fonts I make available here are build from a custom format “Bitmap Font” (BMF) into ready to use OpenType format by a [Python](#) program: “graphicore Bimap Font Building” (graphicoreBMFB). By using different parameters varying fonts are generated. The font files released here are thus a demonstration of the output of graphicoreBMFB. When the possibilities of graphicoreBMFB get more comprehensive the graphicore Bitmap Font family will eventually grow.

Attached to the program is the source data of graphicore

What to Do

Download the Fonts

Download the fonts package and enjoy writing with them:

[graphicoreBitmapFont.tar.bz2](#)

[graphicoreBitmapFont.zip](#)

[all downloads](#)

Obtain the Code

Have an eye on the code and then make everything better and more—or just use it: [graphicoreBMFB](#). It's written in Python and uses the great [FontForge](#) Python module to create outline fonts. You'll need that, too.

Join Me

If you like this project or if the ideas keep on bubbling up from your subconsciousness [leave me a message](#). If there's enough interest in cooperation I'll



SIL Open Font License 1.1 · 208 Commits · 2 Branches · 0 Tags · 1 MB Files

master

font-spalte

History

Find file

Q



Update _mdash.txt

Jogi Hofmüller authored 3 weeks ago



39e861f9

[README](#)[CI/CD configuration](#)

Name	Last commit	Last update
📁 glyphs	Update _mdash.txt	3 weeks ago
📁 html-specimen	Update main.css	7 months ago
📁 options	Try and fix em height	7 months ago
📄 .gitignore	Update gitignore	7 months ago
📄 .gitlab-ci.yml	Include html-specimen	7 months ago
📄 Dockerfile	a Dockerfile	7 months ago
📄 LICENSE	Add font license	7 months ago
📄 Makefile	Update Makefile	7 months ago
📄 README.md	Update README	7 months ago
📄 Spalte-Regular.woff	Add description and authors	7 months ago



Edit file

Write

Preview changes

master

glyphs/g.txt

```
1 .....  
2 #####.#.  
3 .#....#..  
4 .#.....  
5 .#....###.  
6 .#.....#.   
7 .#.....#.   
8 ...#####.  
9 .....  
10 |
```

About
Fonts
Principles
Past workshops
Tools & Recipes ^
Creating a new font
Building font files
Font specimens
The BMF font format
Colophon

The Bitmap Font (BMF) Format

The BMF font format is based on a group of glyphs drawn inside text files (much like ASCII art), and a set of JSON configuration files to set their parameters.

The Bitmap Font Builder tool can be used to convert BMF fonts into outline formats (such as OpenType).

This format was devised by [Lasse Fister](#) as part of the original Bitmap Font Builder package. This page is an attempt to document the format based on the builder's source code.

Font components

A font's directory structure is made out of three main parts:

- the `glyphs` directory (`glyphs/` by default)
- font specification files, one per desired weight, in JSON format (`FontName-Regular.json` by default)
- other option files inside the `options/` directory

The BMF format is rather flexible in what it allows, so in this page we also indicate some sensible defaults. There are two good examples for understanding how a font is structured:

- the `font-skeleton` repository, with a minimal set of options
- the `graphicoreBMFB` font included in the [Bitmap Font Builder](#), which uses advanced features such as kerning and ligatures.

Glyphs

Table of contents

[Font components](#)

[Glyphs](#)

[Options](#)

[Multiple options files and inheritance](#)

[Side bearing values](#)

[Available options and defaults](#)

[List of default character mappings](#)

Tools for font creation

- [Bitmap Font Builder](#), for converting BMF fonts into OpenType
- [FontForge](#), for many small operations like converting between formats and generating previews
- [fib](#), for making the FontForge operations easier to type
- [Python](#), for gluing everything together
- [Cookie Cutter](#), for generating new fonts from a template
- [GNU Make](#), for automating font building

Table of contents

- [Components](#)
- [Tools for font creation](#)
- [Other tools and assets](#)
- [Acknowledgements](#)

Other tools and assets

- [GitLab](#), for hosting the font repositories and generating type specimens
- [MkDocs](#), for generating the website you're reading
- [League Mono](#), the font that makes up this website

Acknowledgements

Type:Bits was made possible by

- The host institutions of the workshops:
 - [Free Culture Forum](#), Barcelona
 - [Mozilla Festival](#), London
 - [Escuela de Arte Antonio Lopez](#), Tomelloso
 - [Escuela Superior de Arte del Principado de Asturias](#), Avilés
 - [Mur.at](#), Graz
- [GitLab](#), who provide an invaluable framework to host projects and make our font generation pipeline possible thanks to their excellent CI offering.

This documentation site could only exist thanks to the patronage of [mur.at](#) and their artist residency program, which allowed us to take the time to finish this documentation.

 README.md

Setperset

A 7x7 font created in the "Fonts.txt" workshop at the Free Culture Forum 2014, facilitated by Manufactura Independente. It was designed and built in 4 hours.

Read more about the workshop at the [Type:Bits site](#).

SETPERSET REGULAR

0123456789         
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 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

See it in action

Download formats:

- TrueType (.ttf)
- OpenType (.otf)
- FontForge (.sfd)

Authors

- Nelson Dieguez, [@nelsondieguez](#)
- Oriol Gayán
- Vanessa Pacheco
- Irene Serrano

License

This font is made available under the [Open Font License](#).

```
1  image: debian
2
3  before_script:
4    - export DEBIAN_FRONTEND=noninteractive DEBCONF_NONINTERACTIVE_SEEN=true
5    - export LC_ALL=C.UTF-8 LANGUAGE=C LANG=C
6
7  stages:
8    - build
9    - deploy
10
11 build-font:
12   stage: build
13   script:
14     - apt update
15     - apt install -y --no-install-recommends python python-pip fontforge python-fontforge make git
16     - pip --no-cache-dir install --upgrade pip
17     - python -m pip --no-cache-dir install --upgrade setuptools
18     - python -m pip --no-cache-dir install --upgrade git+https://gitlab.com/foundry-in-a-box/fib.git
19     - python -m pip --no-cache-dir install --upgrade click zenlog
20     - git clone https://gitlab.com/typebits/bitmapfontbuilder
21     - make ci
22   artifacts:
23     paths:
24       - Setperset-Regular.otf
25       - Setperset-Regular.sfd
26       - Setperset-Regular.png
27       - Setperset-Regular.ttf
28
29 pages:
30   stage: deploy
31   script:
32     - mkdir .public
33     - cp -r html-specimen/* .public
34     - cp -rf *.ttf .public/fonts
35     - cp -rf *.otf .public/fonts
36     - cp -rf *.sfd .public/fonts
37     - mv .public public
38   artifacts:
39     paths:
40       - public
41     only:
42       - master
```

build-font

Duration: 1 minute 9 seconds

Timeout: 1h (from project)

Runner: shared-runners-manager-4.gitlab.com (#44949)

Job artifacts

[Download](#)

[Browse](#)

[Commit 39e861f9](#) ↗

Update _mdash.txt

✓ Pipeline #59483439 for master

build

→ ✓ build-font

```
1.1.tar.gz
Collecting colorlog (from zenlog->fib==0.1)
  Downloading https://files.pythonhosted.org/packages/68/4d/892728b0c14547224f0ac40884e722a3d00cb54e7a146aea0b3186806c9e/colorlog-
4.0.2-py2.py3-none-any.whl
Installing collected packages: Click, colorlog, zenlog, fib
  Running setup.py install for zenlog: started
    Running setup.py install for zenlog: finished with status 'done'
  Running setup.py install for fib: started
    Running setup.py install for fib: finished with status 'done'
Successfully installed Click-7.0 colorlog-4.0.2 fib-0.1 zenlog-1.1
$ python -m pip --no-cache-dir install --upgrade click zenlog
DEPRECATION: Python 2.7 will reach the end of its life on January 1st, 2020. Please upgrade your Python as Python 2.7 won't be
maintained after that date. A future version of pip will drop support for Python 2.7.
Requirement already up-to-date: click in /usr/local/lib/python2.7/dist-packages (7.0)
Requirement already up-to-date: zenlog in /usr/local/lib/python2.7/dist-packages (1.1)
Requirement already satisfied, skipping upgrade: colorlog in /usr/local/lib/python2.7/dist-packages (from zenlog) (4.0.2)
$ git clone https://gitlab.com/typebits/bitmapfontbuilder
Cloning into 'bitmapfontbuilder'...
$ make ci
python bitmapfontbuilder/bmfb.py Spalte-Regular.json
verbosity level 0
OK
mv generated/* . -f
fib convert Spalte-Regular.sfd --ttf
fontimage Spalte-Regular.otf
Copyright (c) 2000-2014 by George Williams. See AUTHORS for Contributors.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
with many parts BSD <http://fontforge.org/license.html>. Please read LICENSE.
Based on sources from 20170812-ML-D.
Based on source from git with hash:
The following table(s) in the font have been ignored by FontForge
  Ignoring 'DSIG' digital signature table
In Spalte-Regular, the advance width (1312) for glyph .notdef is greater than the maximum (1250)
  Subsequent errors will not be reported.
Uploading artifacts...
Spalte-Regular.otf: found 1 matching files
Spalte-Regular.sfd: found 1 matching files
Spalte-Regular.png: found 1 matching files
Spalte-Regular.ttf: found 1 matching files
Uploading artifacts to coordinator... ok          id=206251094 responseStatus=201 Created token=y1pUZA8i
Job succeeded
```

passed

Job #206251094 in pipeline #59483439 for 39e861f9 from master by Jogi Hofmüller 3 weeks ago

Artifacts

Down

Name	Size
Spalte-Regular.otf	21.7 KB
Spalte-Regular.png	3.94 KB
Spalte-Regular.sfd	167 KB
Spalte-Regular.ttf	21 KB

 README.md

Setperset

A 7x7 font created in the "Fonts.txt" workshop at the Free Culture Forum 2014, facilitated by Manufactura Independente. It was designed and built in 4 hours.

Read more about the workshop at the [Type:Bits site](#).

SETPERSET REGULAR

0123456789         
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 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

See it in action

Download formats:

- TrueType (.ttf)
- OpenType (.otf)
- FontForge (.sfd)

Authors

- Nelson Dieguez, [@nelsondieguez](#)
- Oriol Gayán
- Vanessa Pacheco
- Irene Serrano

License

This font is made available under the [Open Font License](#).

SETPERSET REGULAR

SETPERSET

THE QUICK BROWN FOX JUMPS OVER
THE LAZY DOG.

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	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	1	2
3	4	5	6	7	8	9	0	&

TYPEBITS.MANUFACTURAINDEPENDENTE.ORG