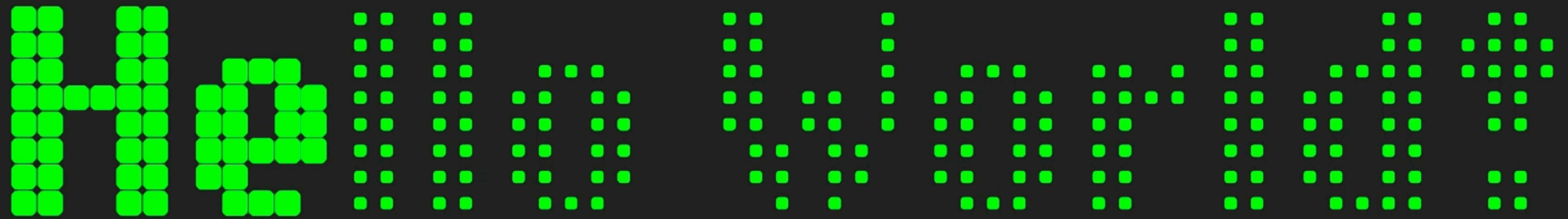


Variable Fonts



Variable Fonts

in Kürze

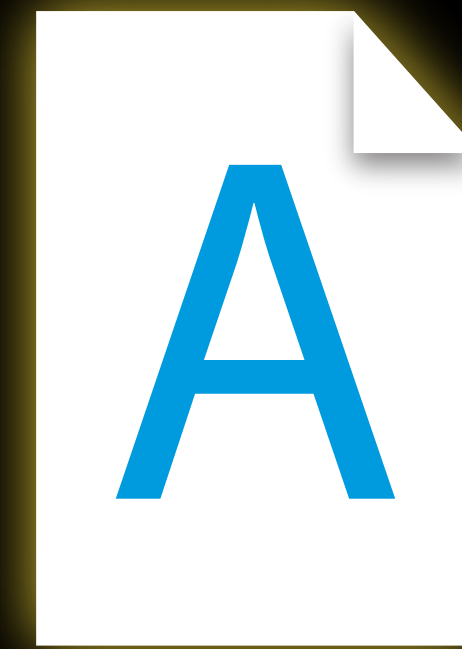
- Von Adobe, Google, Apple und Microsoft entwickelt
- 2016 an der ATypI präsentiert
- ein Fontfile, das mehrere stilistische Ausprägungen enthält
- Anstelle eines Stils tritt der Designraum (Designspace)

Variable Fonts

all-in-one



Schriftfamilie

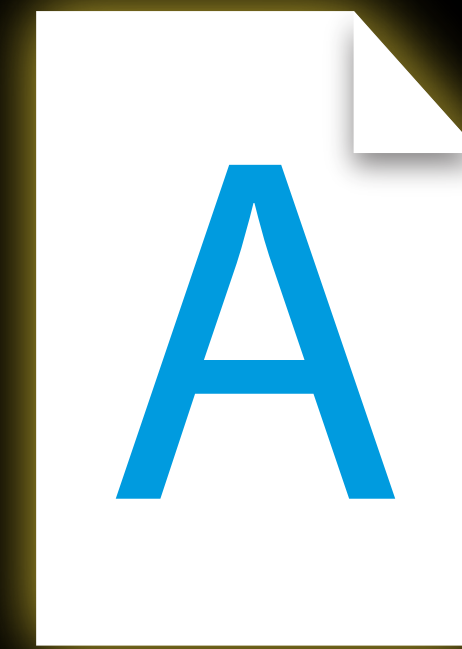


Variable Font

Dateigrösse



657 KB

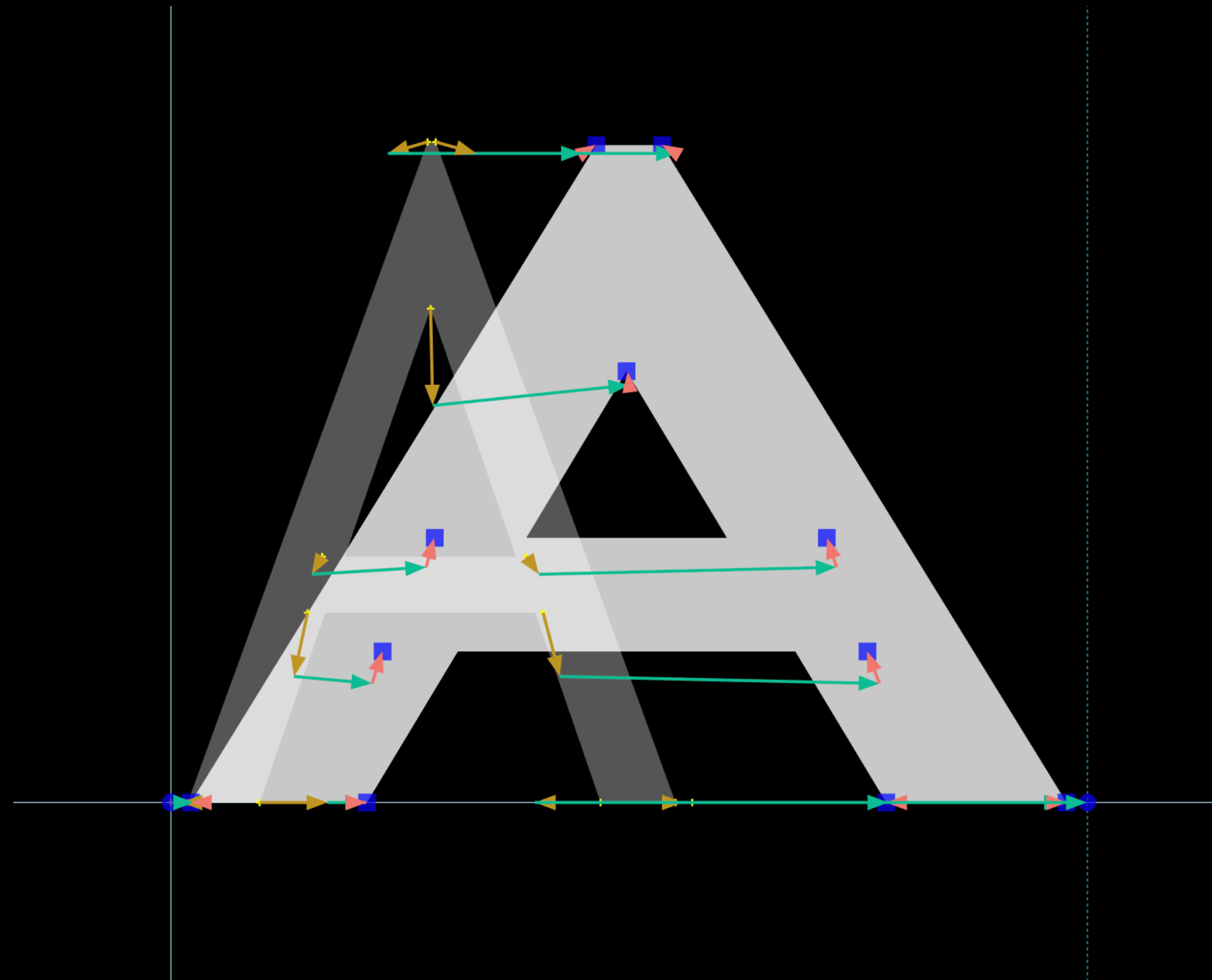


199 KB

⇒ **Kleinere Datenmenge als Einzelschnitte**

⇒ **Schnellere Ladezeit**

Outlines und Deltas



Variable Fonts

Begriffe

Master:

Gezeichnete Schnitte

Interpolation:

Berechnung der Zwischenschnitte

Instanzen:

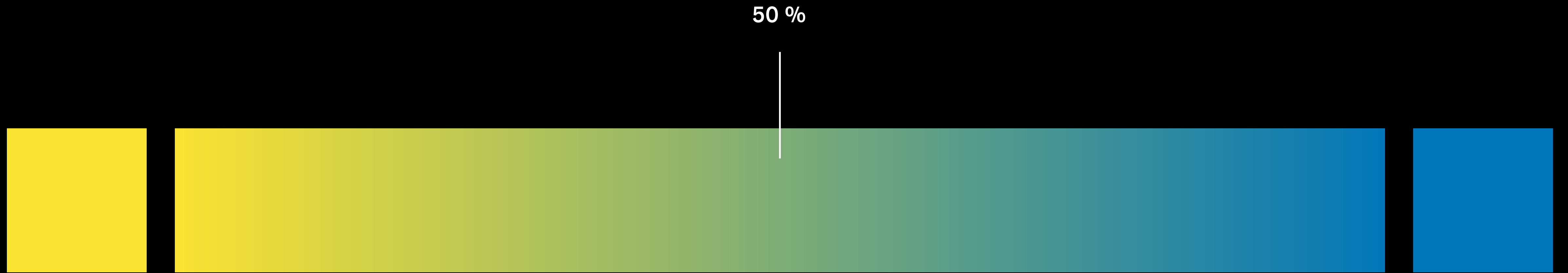
berechnete Zwischenschnitte

Designachse:

Verschiebung der Punkte in eine Richtung

Interpolation

Zwischenschritte



Interpolation

Strichstärke

n n n n n n n n n n n n

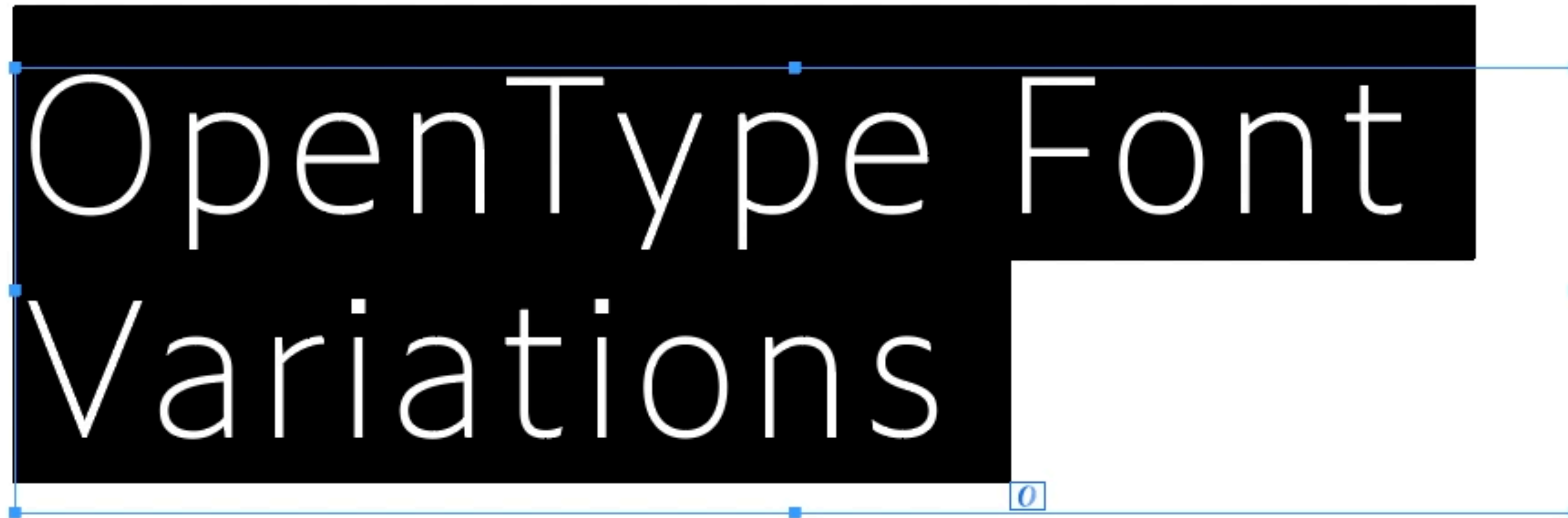
Zeitung, Underware

Wspapers

Zeitung

micro & macro type

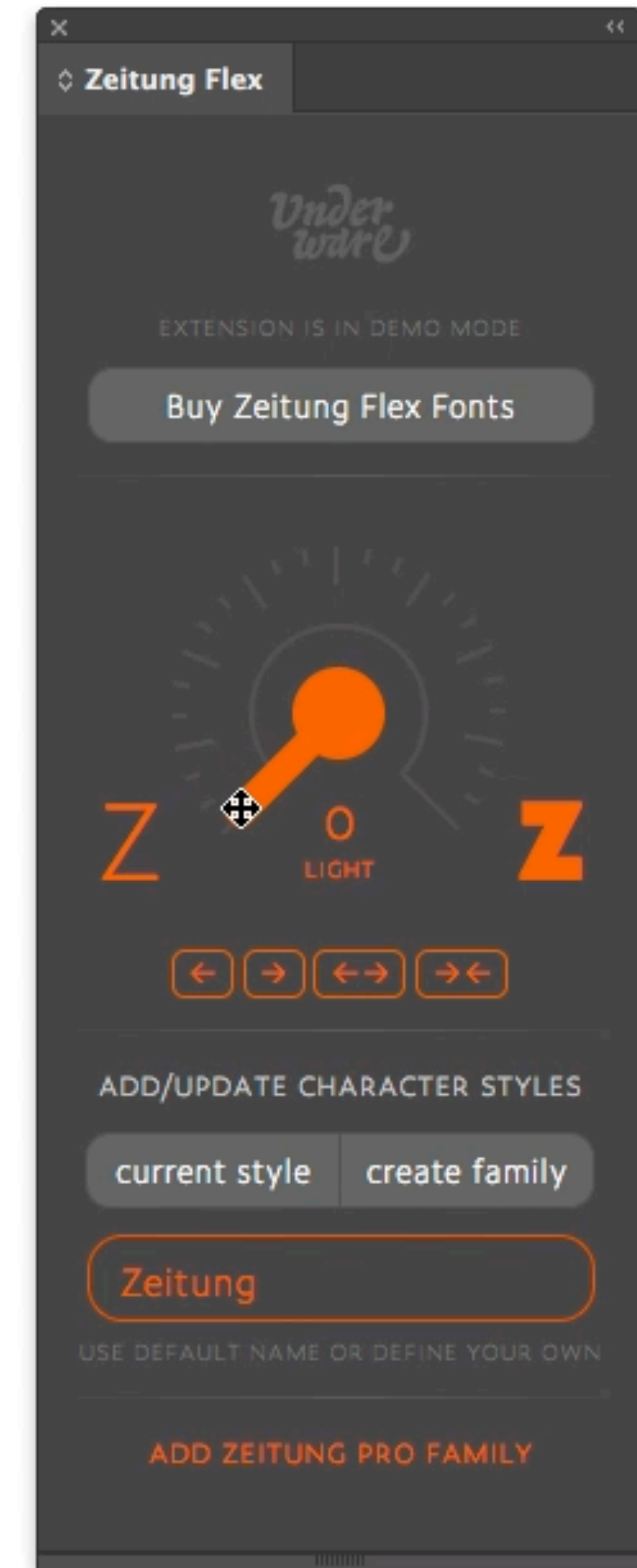
Storyboard



OpenType Font
Variations

Die OpenType-Spezifikation 1.8 bringt Variable Fonts mit sich, ein variabler Font wird dort so definiert: OpenType Font Variations mechanisms – that is, by means of variation tables and other variation data in tables generally».

Für PostScript-basierte OpenType-Schriften hat Adobe bereits das Format CFF2 geschaffen, das nicht abwärtskompatibel ist.

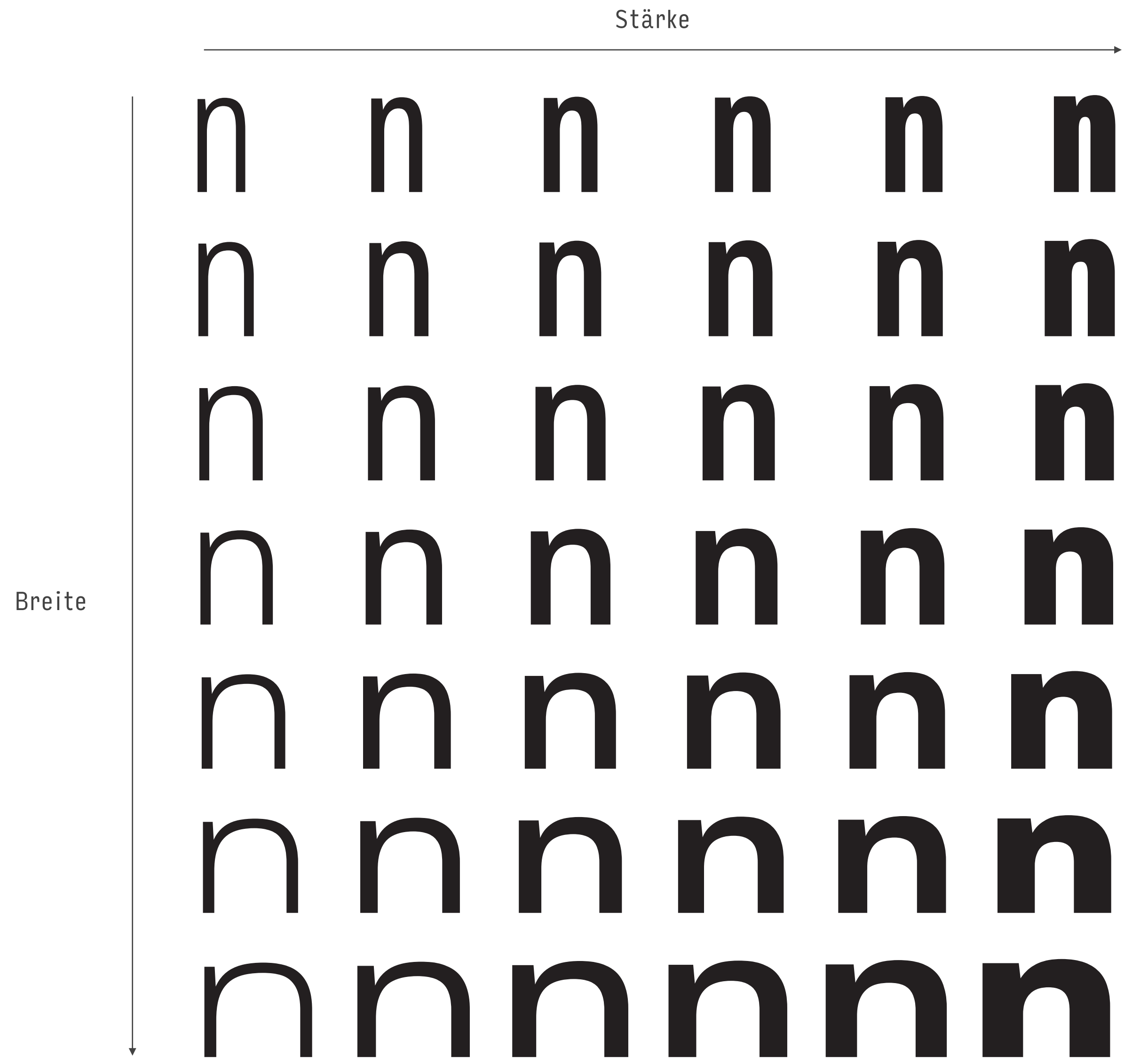


Venn, Dalton Maag

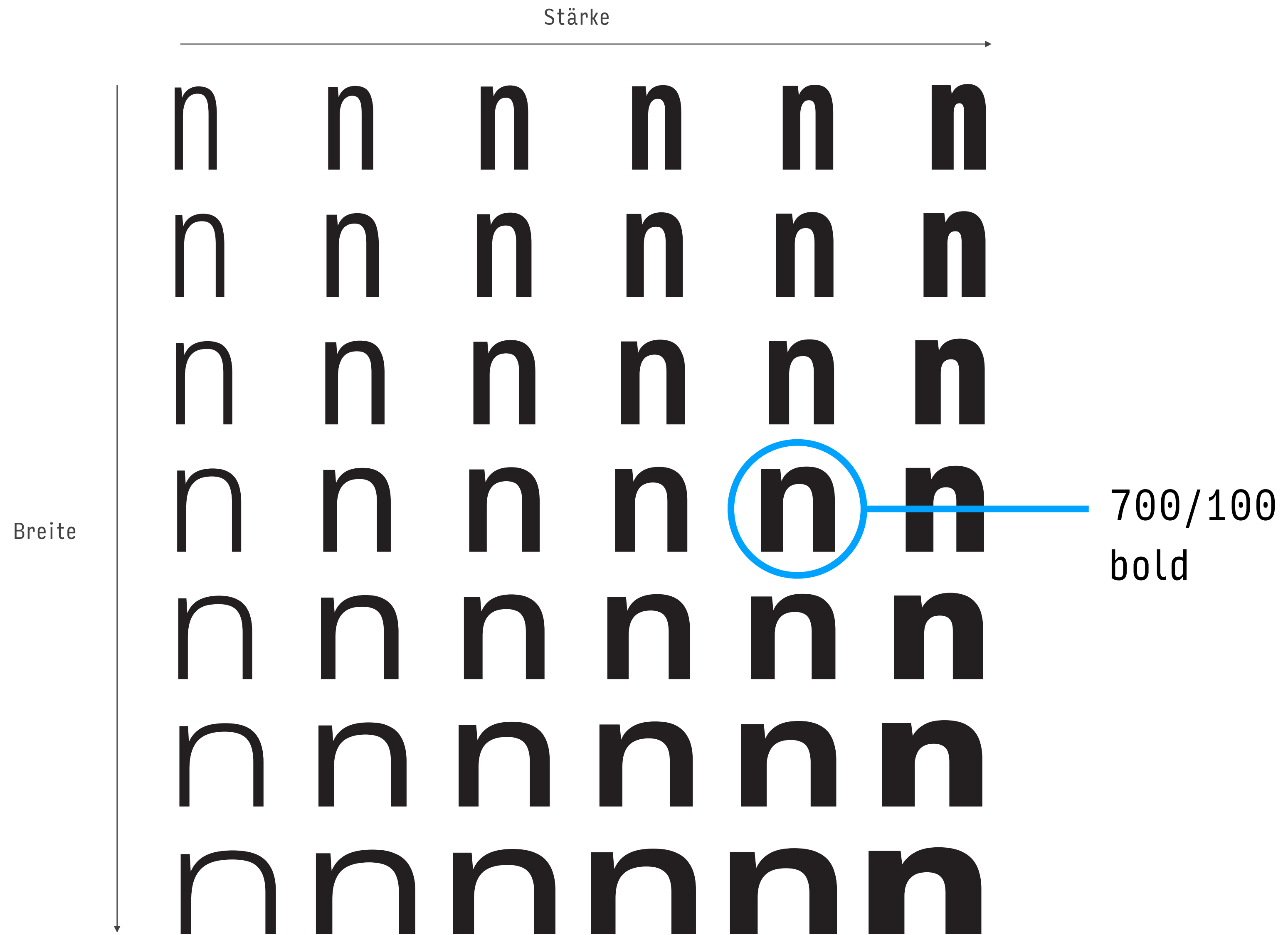
2 Achsen

n
n
n
n n n n n n
n
n
n

2 Achsen

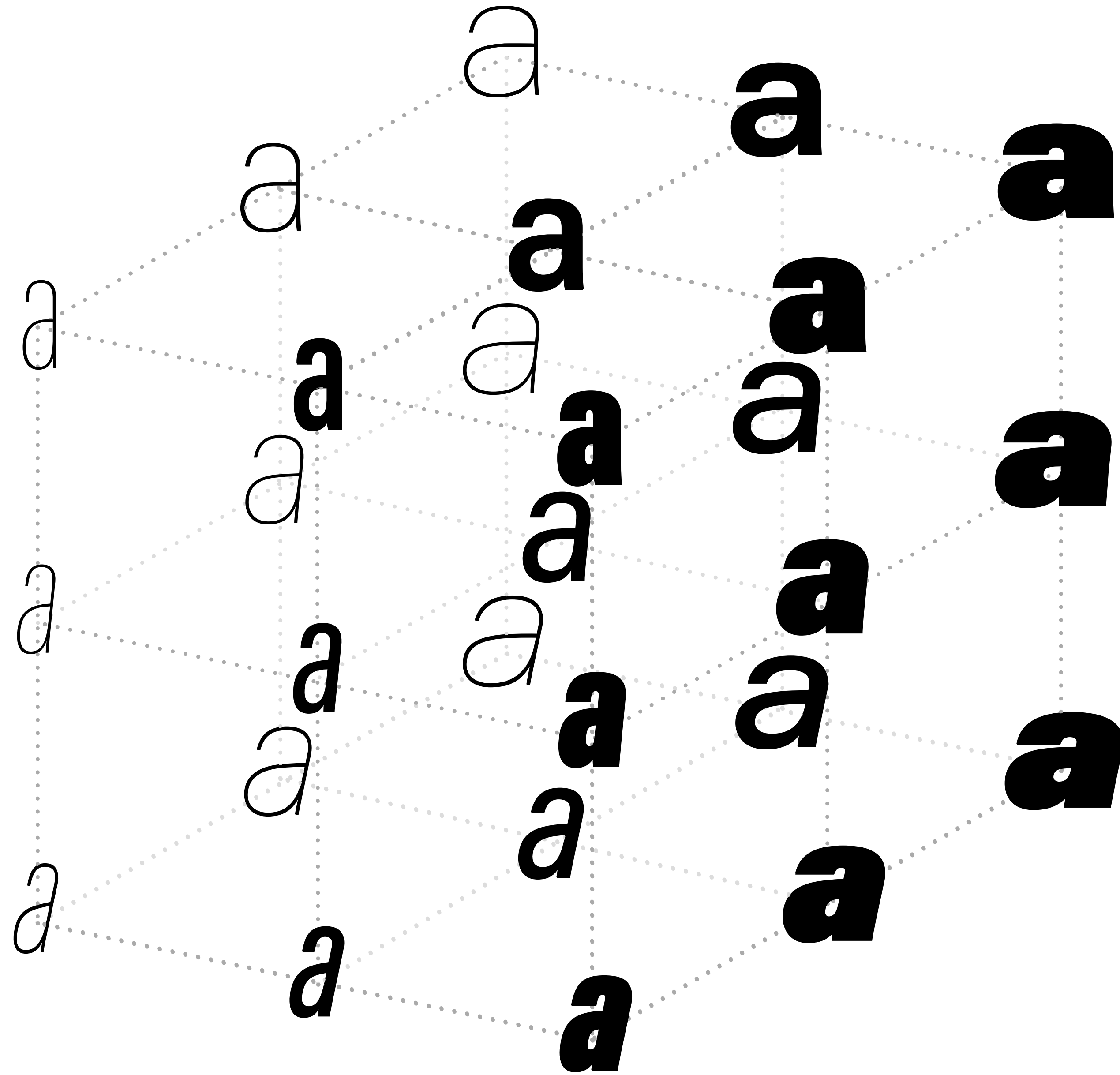


2 Achsen



Acumin, Robert Slimbach

3 Achsen



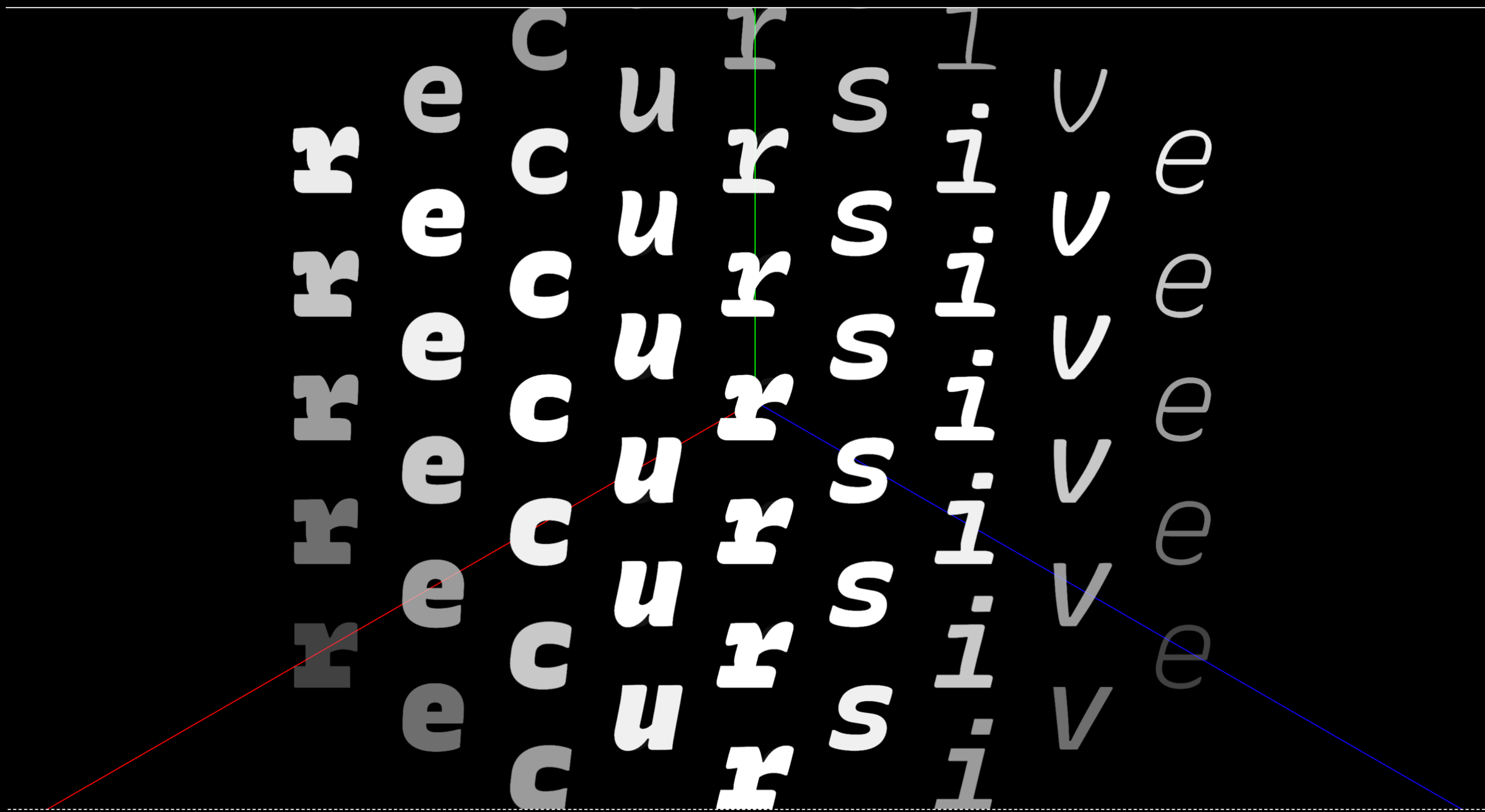
via Adobe Fonts

Registrierte Achsen

Axis tag	Name
'wdth'	Width
'wght'	Weight
'ital'	Italic
'opsz'	Optical Size
'slnt'	Slant

Variable Font

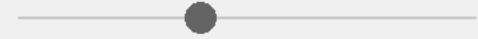


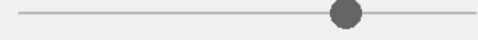
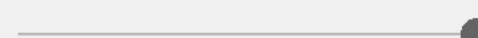
Recursive



Variable Font

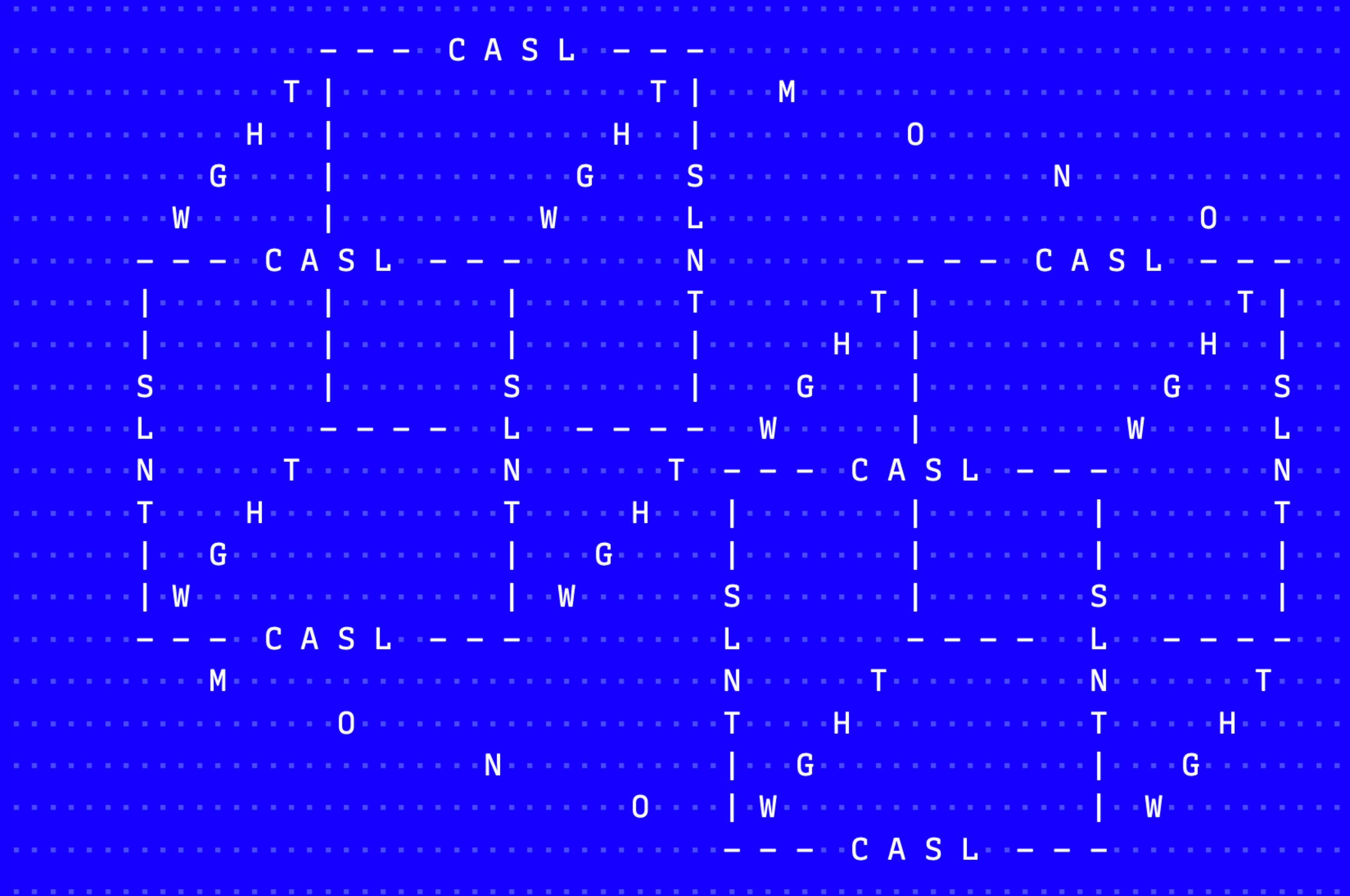
«Casual»-Achse

Recursive

```
font-size: 16.18vw; 
/* set variation axis values */
--mono: "MONO" 0;  /* Monospace: Sans (natural-width) or Mono (fixed-width) */
--casl: "CASL" 1;  /* Casual: Linear to Casual */
--wght: "wght" 800;  /* Weight: Light to ExtraBlack; usually set with 'font-weight' */
--slnt: "slnt" 0;  /* Slant: 0 to -15 degrees, auto cursive at -14 */
--CRSV: "CRSV" 0.5;  off  auto  on /* Cursive: always roman, auto substitution, or always cursive */

/* apply axis values with CSS custom properties */
font-variation-settings: var(--mono), var(--casl), var(--wght), var(--slnt), var(--CRSV);
```

Recursive



Anwendungs- beispiele

Custom Variable Font

Adidas Chop



Design: Jeremy Mickl

T TYPOGRAPHICS

**A DESIGN FESTIVAL FOR
PEOPLE WHO USE TYPE**

**@ THE COOPER UNION
NEW YORK CITY**

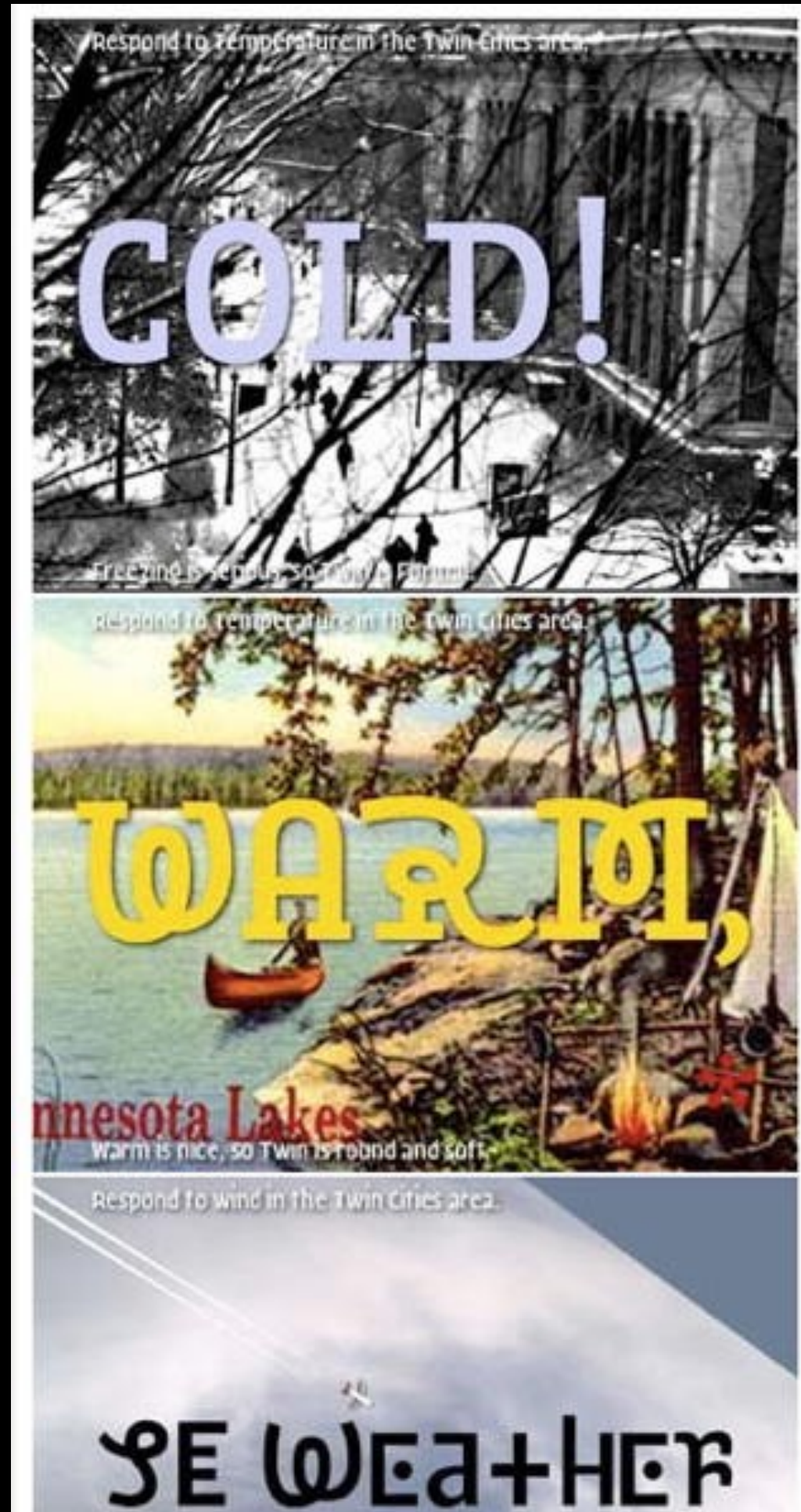
JUNE 2019

The Typographics design festival, now in its 5th year, is a multi-part event series focused on contemporary typography and where its future may lie.

FONDATION **BEYELER**

Corporate Font

Twin Cities



Casual, **WEATHER**, Round, Formal, Gothic, Loopy.

Sound like some characters from your community? In fact it's TWIN,

THE FONT THAT KNOWS WHICH ZIP CODE YOU'RE IN,

THE FIRST TYPEFACE CAPABLE OF CHANGING WITH THE WEATHER.

What better way to convey the essence of Minneapolis and Saint Paul:

A TYPEFACE THAT GOES RIGID WHEN IT'S FRIGID, sprouts luscious tendrils

when the wind chill's finally forgotten, blossoms as the temperature

climbs into letterforms more round and curvy. Intelligent and nervy,

TWIN billows in the wind, ebbs and flows with the Mississippi's highs and lows.

ITS CURLEWS AND SASS-BAR DOUBLE-DECKS

stop'n'go with freeway traffic bottlenecks—AN ALPHABET AS MUTABLE AND DIVERSE AS THE TWIN CITIES' OWN POPULACE.

Corporate Font

Twin Cities

NE Weather

SANS #1

FORMAL #2

ROUND #3

WEIRD #4



Corporate Font

Twin Cities

SE WEATHER

SANS #1

FORMAL #2

ROUND #3

WEIRD #4



Variable Font

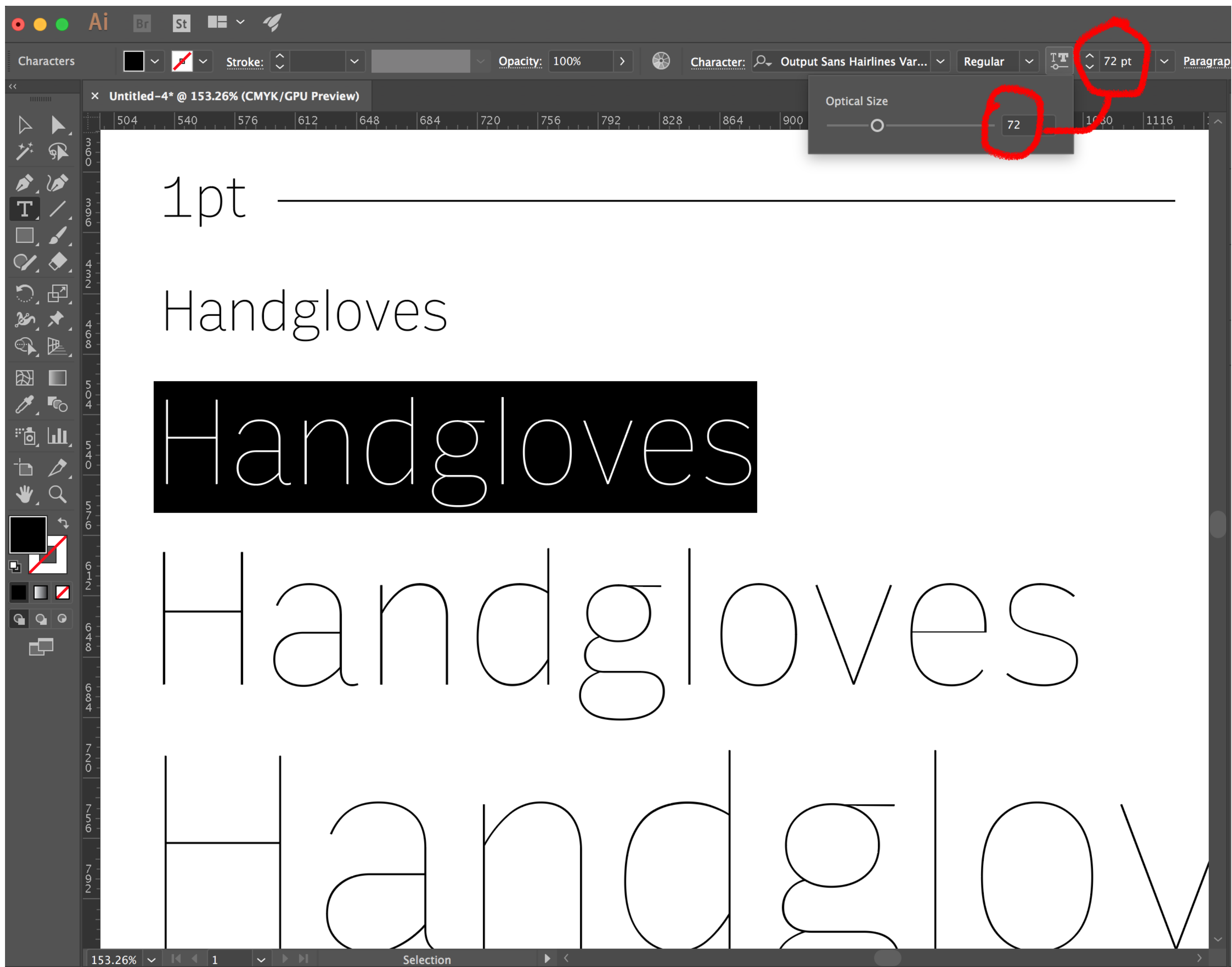
Optische Grösse



Output Sans Hairline, David J. Ross

hairline

hair



Output Sans Hairline, David J. Ross

Automatische optische Grösse

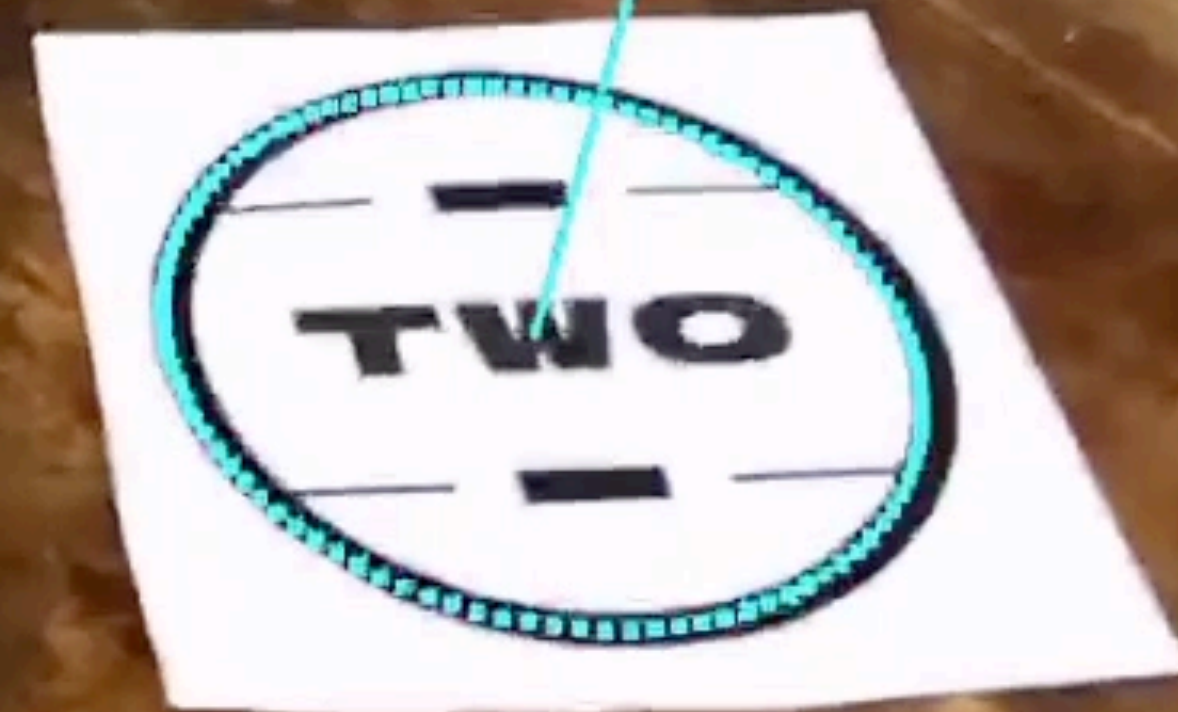
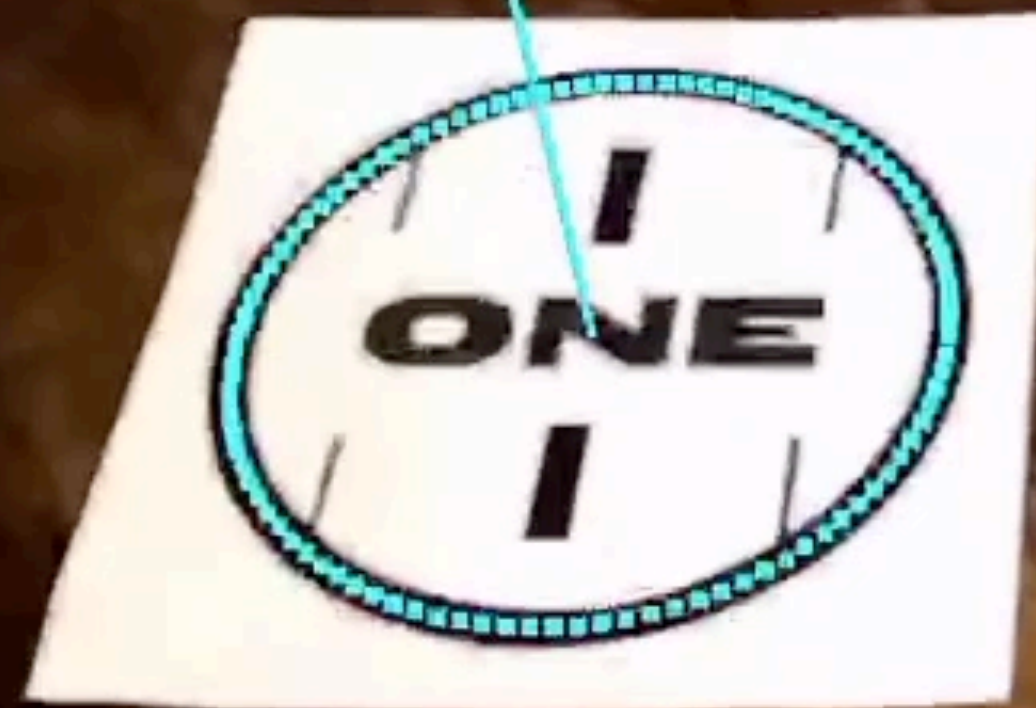


A wide-angle photograph of a climbing wall. The wall is light-colored and features several colorful climbing holds (green, orange, red, black). The perspective is from a low angle, looking up at the wall, which creates a sense of height and scale. The text "WIDE ANGLE" is overlaid in large, white, bold, sans-serif capital letters, appearing twice: once in the upper middle and once in the lower middle of the frame. The background shows some faint blue and red markings on the wall, possibly from previous climbers or equipment.

WIDE ANGLE

WIDE ANGLE

ATTUNE



V-Fonts

The screenshot shows a web browser window with the URL <https://v-fonts.com>. The page displays three variable font demos, each with a set of sliders and a preview of the font's alphabet and numbers.

Voto Serif GX
Width: 50 ————— 130
Weight: 28 ————— 194
Optical Size: 12 ————— 72
A variable font based on [Noto Serif & Noto Serif Display](#).
Design: Monotype, Adam Twardoch
Publisher: Adam Twardoch
Licensing: Open source
Info/fonts: [github.com](#)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789

Kairos Sans Variable
Weight: 250 ————— 900
Width: 75 ————— 125
Italic: 0 ————— 1
Monotype's first variable font demo, based on [Kairos Sans](#).
Design: Terrance Weinzierl
Publisher: Monotype
Licensing: Free for non-commercial use
Info/fonts: [github.com](#)

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijkl
mnopqrstuvwxyz 0123456789

Zeitung
Weight: 0 ————— 1000
Optical Size: 8 ————— 20
An OpenType variable font counterpart to Underware's [Zeitung Flex](#). (It is currently

Zeitung Flex
ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmn
opqrstuvwxyz 0123456789

Hausaufgabe

- **Skizziere 3 Schriftveränderungen in 5 Schritten**
- **eine Transformation soll klassische Schriftschnitte zeigen (schmal bis breit, leicht bis fett o.ä.)**
- **zwei weitere Transformationen kannst du frei wählen (Veränderung der Proportionen oder der Form oder was dir sonst noch einfällt)**
- **Du kannst auch mit einer Buchstabenskizze aus früheren Übungen arbeiten.**