

Design Studio 22: Unproductive Products



Different Times, ABC Dinamo



Unica 77

"Unica has had a conflicted history from the very beginning. After Linotype bought a license for Neue Haas Grotesk (1957) and developed it into Helvetica for their hot-metal machines (1960) and for phototypesetting (1969), they prevented the Haas Type Foundry from licensing the font to any other manufacturer of phototypesetting devices. In response, Haas eventually decided to develop a new typeface tailor-made for the technology. They brought in Team'77 (André Gürtler, Christian Mengelt, Erich Gschwind) to conduct a thorough analysis of four formally related typefaces – Neue Haas Grotesk, Helvetica, Univers and Akzidenz Grotesk Buch – as a basis for the new design."

"But it was not forgotten. In 2004, Lineto co-founder Stephan Müller came across a PostScript version of Unica in a Scangraphic specimen book from the early 1990s. As the font was no longer available to buy, he sourced a black market copy, made minimal changes to it and discreetly used it for an artist book. This quasi-revival made waves, and before long, Haas Unica became a revered tool of choice for many of the designers associated with Lineto."

fosse chiara la nostra totale alterità, il nostro starcene altrove, in qualche modo separati anche se mescolati al movimento. Cioè: essere nel movimento ma con uno spirito fortemente critico e autocritico. Per questo poi una delle forme principali con cui il gruppo si è espresso è stata quella dell'ironia, della presa in giro, dell'opporre al dogma che spesso contraddistingueva la Sinistra Extraparlamentare, legata a dogmi e a retoriche Marxiste e Leniniste, un modo di fare di tipo magmatico. Contrapporre al dogma il magma.

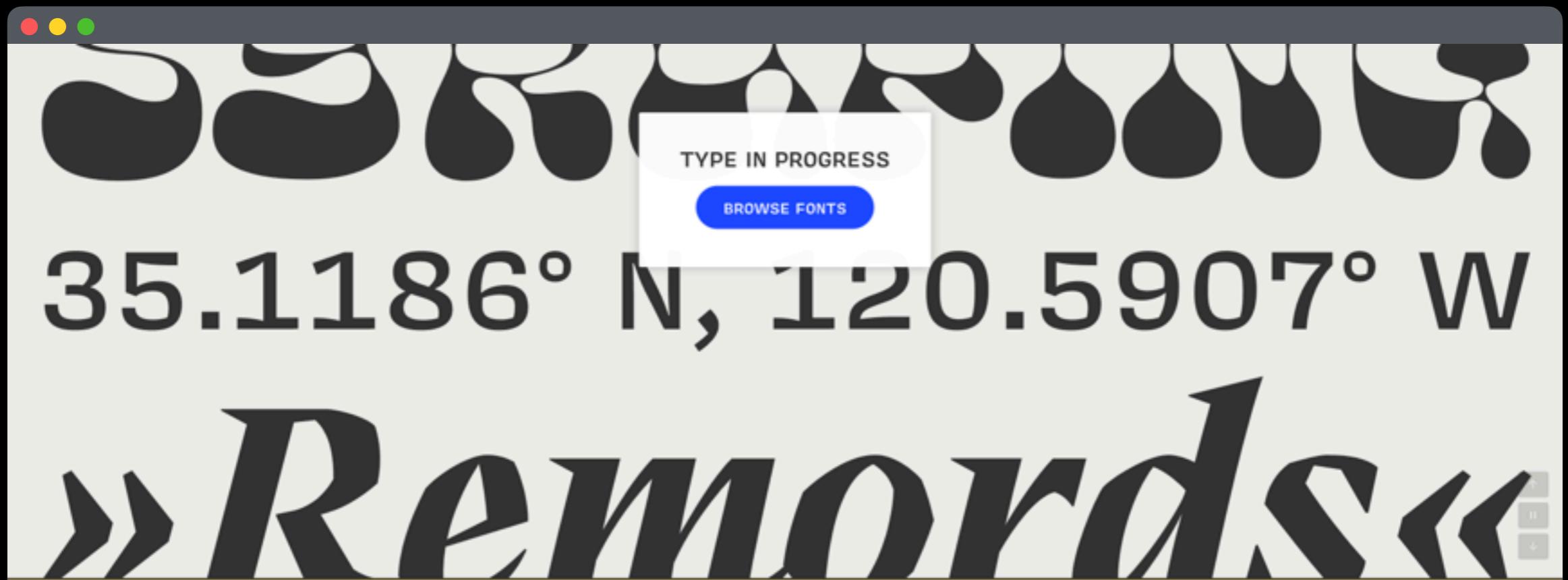
Con il termine *underground* si intende implicitamente che esista un non sommerso, commerciale. Cos'era *mainstream* in quel periodo e che tipo di rapporto c'era tra canali ufficiali e underground, in che maniera i canali editoriali ufficiali hanno reagito a questo tipo di pubblicazioni e come la classe intellettuale di sinistra viveva questo fenomeno?

Diciamo che io avevo i piedi in due scarpe, perché da una parte lavoravo per *Savelli*, dall'altra lavoravo per *Lotta Continua*, dall'altra ancora producevo insieme ad altri queste cose. Quindi una relazione diretta non c'era, c'era una conoscenza delle cose. Ma non è che – per dire – *Savelli*, che era la principale casa editrice, avesse curiosità o interesse per *Oask!*? Quindi, diciamo che tra overground e underground non c'era assolutamente nessuna relazione, se non appunto contatti personali; non c'era la volontà di rendere

più evidente o promuovere l'attività dei fogli alternativi. I fogli alternativi erano fatti in poche centinaia di copie e come dicevo prima c'era un rapporto diretto tra produttori e consumatori.

In che modo l'intellettuale e progettista era consapevole dell'importanza di essere una figura poliedrica in quel periodo e come viveva ogni periodo progettuale?

Se il 1968 è stato in qualche modo l'anno in cui la rivolta ha coinvolto anche l'intellettuale – il sessantottino era il leader, uno studente molto ben attrezzato e gli intellettuali, gli artisti, gli studenti, gli operai, all'epoca hanno tutti firmato appelli, condiviso, partecipato, messo falce e martello nei quadri, nei libri, si sono in qualche modo interessati, appassionati e uniti in un disegno di contestazione della società – il '77 era profondamente diverso. Non era più il primo della classe ad essere al centro del movimento di contestazione, quanto invece quello che veniva chiamato il non garantito, cioè il disoccupato, l'emarginato, la periferia e non il centro. Nel '77 gli intellettuali scompaiono e il movimento fa anche paura, viene così dal basso, così deciso a rifiutare deleghe, leader, maestri, che non dà assolutamente spazio agli intellettuali per trovare modo di collegarsi ad esso. Io, essendo all'epoca molto giovane, un teenager, in realtà riuscì a operare perché avevo preventivamente smesso di essere un intellettuale, perché non facevo più professione di pittore. Ero anche io



Where type designers sell
fonts in progress



Fresh Fonts

High-quality fonts that are new
to market and haven't been
overused.



Early Discounts

Buy a font early for the best
deals with free updates as it
progresses.



Curated Designers

Each type designer is selected
for their unique perspective and
expertise.

84pt

Thin

Alternat i

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84pt

Thin

Alternat i

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Alternat i

-10

84pt

Thin

-10

84pt

Thin

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84pt

Thin

-10

Zenographical

Gentilization

Interbrachials

Electromerism

Saccharimetry

Version History

v2.0

June 13, 2022

The final version. Full character set, alternates, features, italics. Note there are some additional OpenType features, and have been changed from previous versions.

v0.2

April 16, 2020

- 3 new weights: Thin, Extralight, Light
- Full character set
- Multiple alternate letterforms, numerals and punctuation

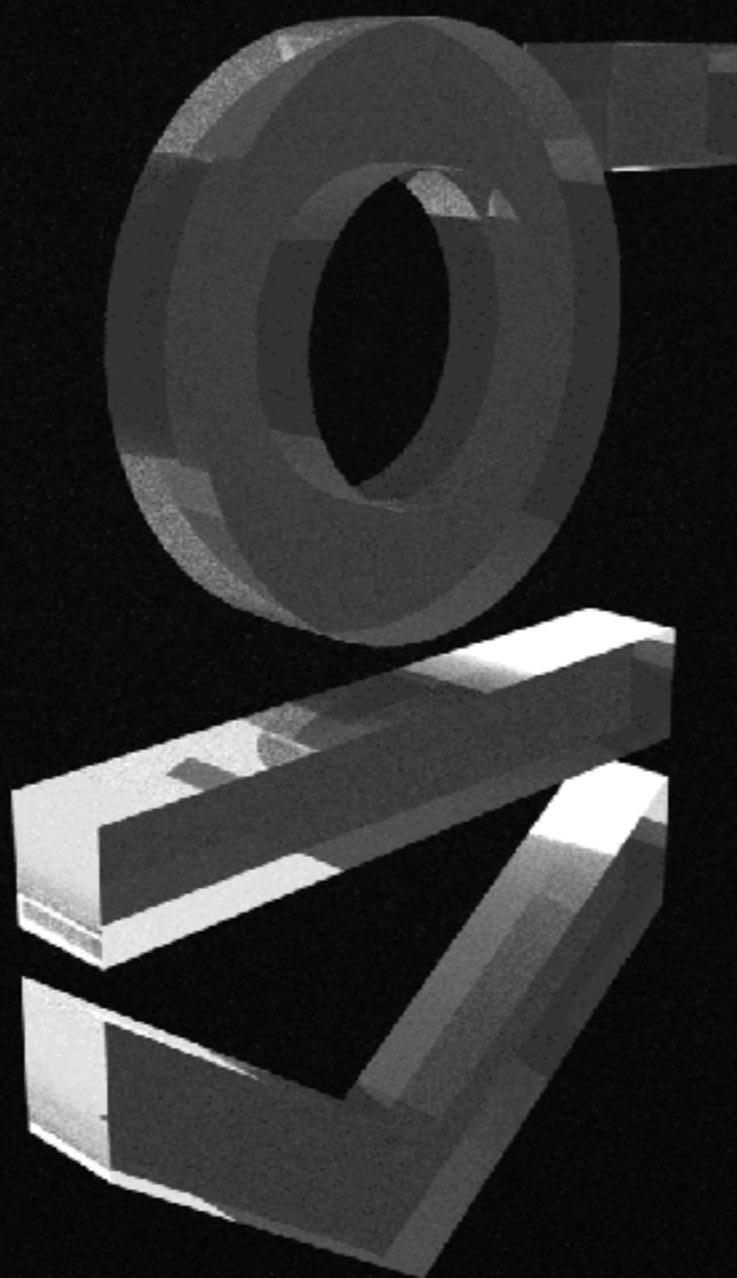
Trial fonts have no OpenType features and a limited character set:

```
ABCDEFGHIJKLMNPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz  
0123456789 ,,-
```

v0.1

October 29, 2018

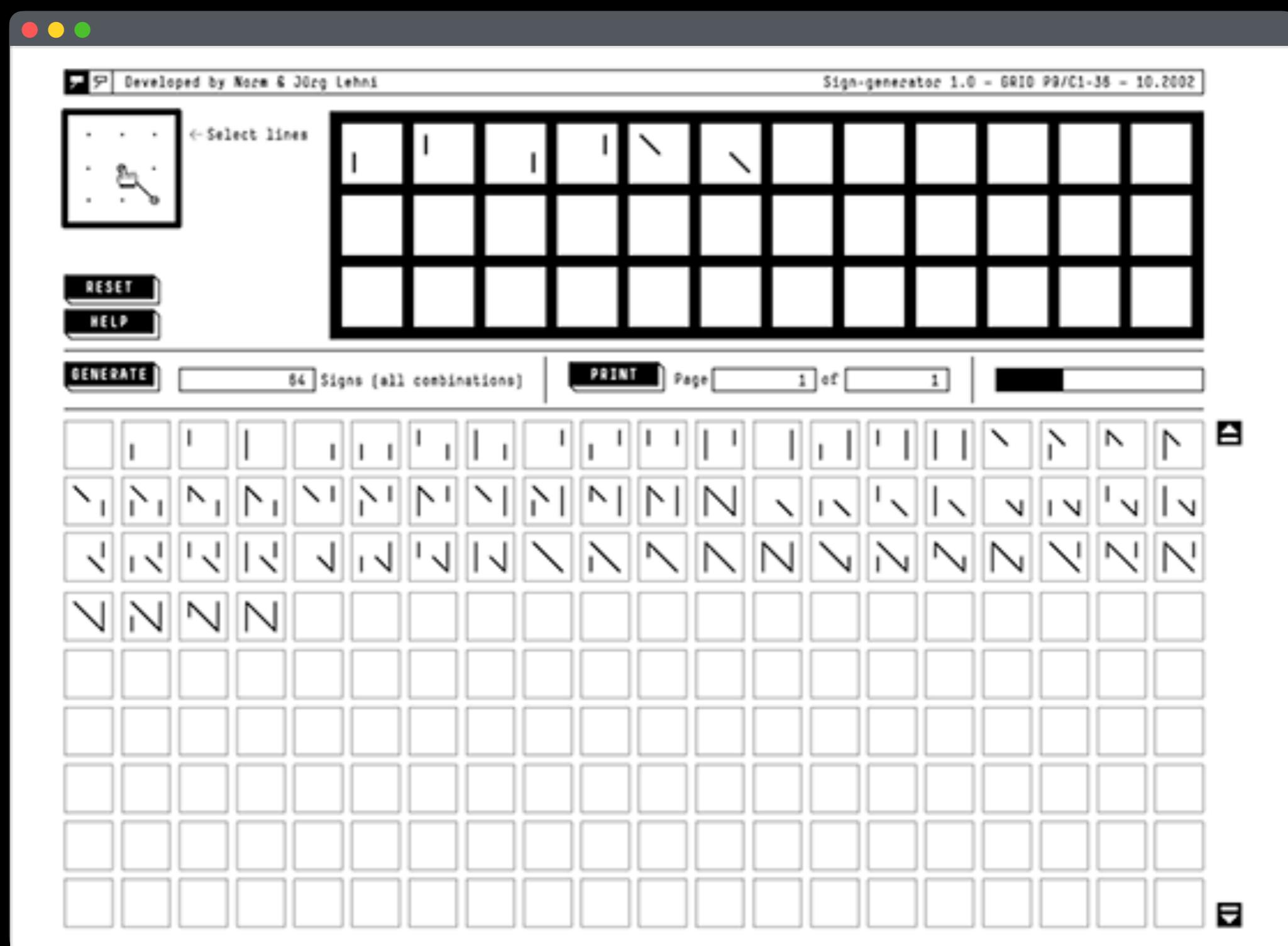
Version 0.1 is the initial release. It has 4 roman weights, a basic character set and several alternates.



The Future Mono, Klim Type Foundry



Sign Generator, NORM







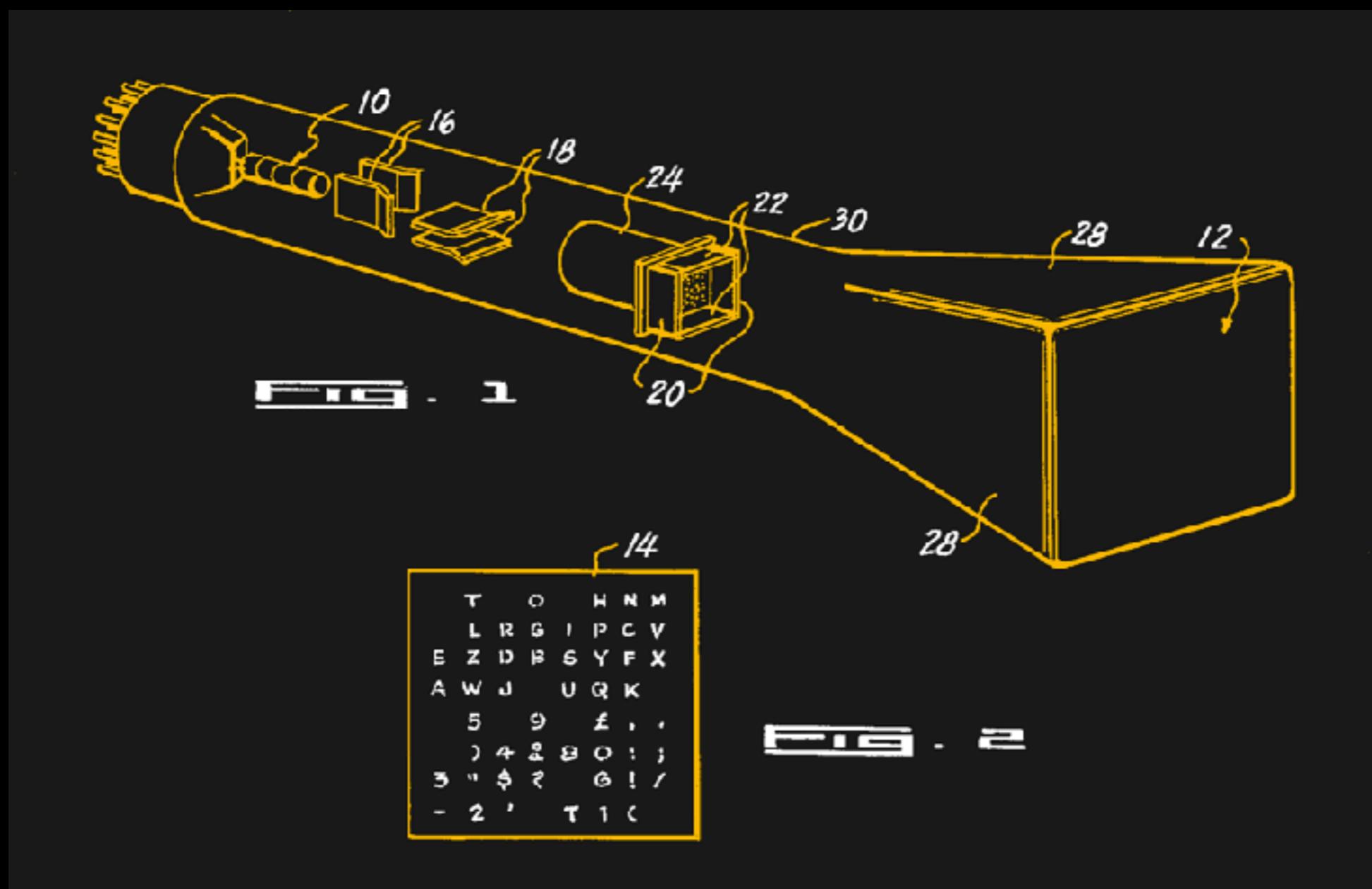
Frank Grießhammer at San Francisco Public Library

Minotaur
Minotaur

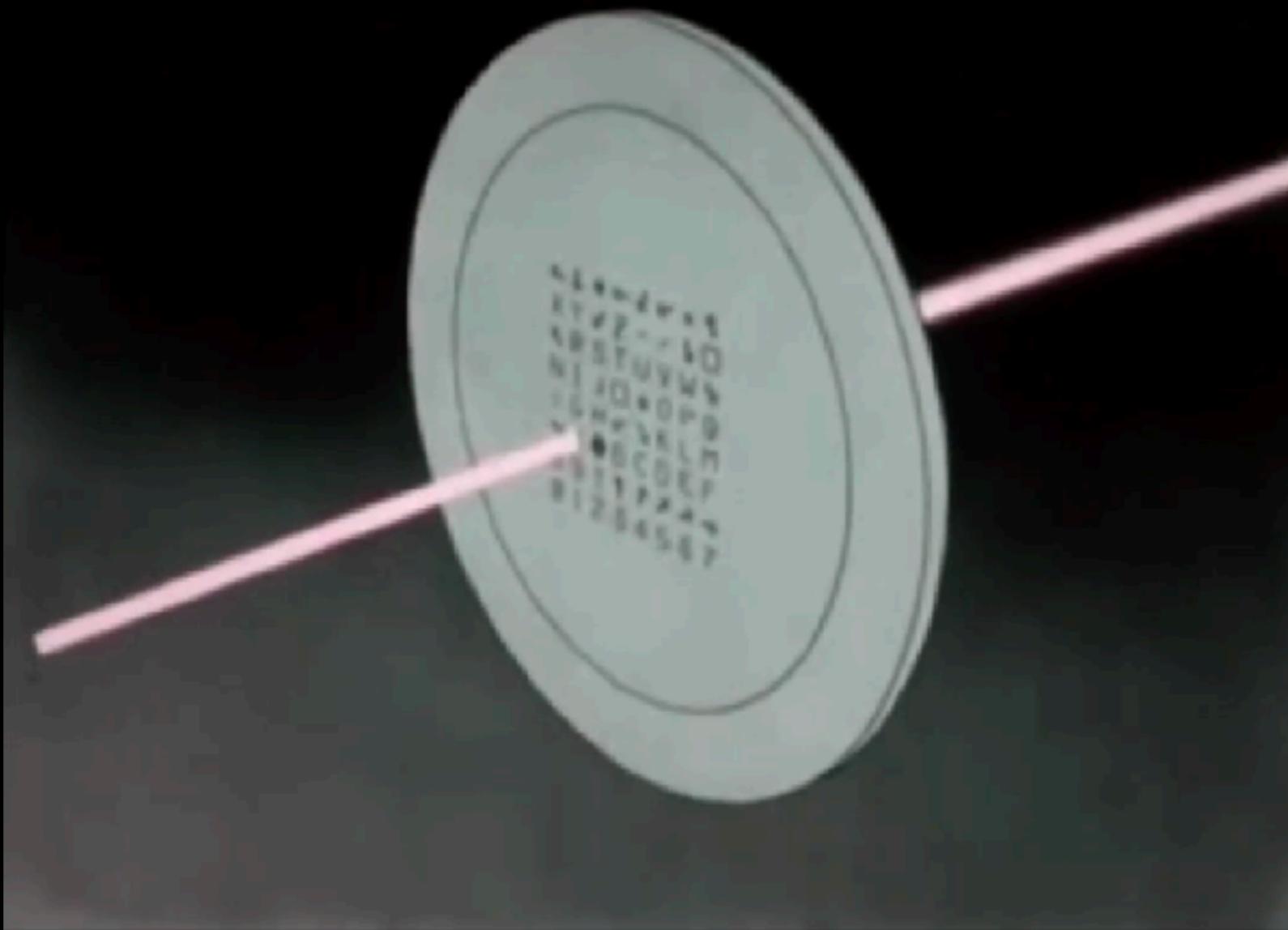
“based on A.V. Hershey’s series
for early vector-based computing”



Meta Font, Donald Knuth



Charactron Tube Diagram (US Patent 2735956)



Charactron Tube Diagram (US Patent 2735956)



Oscilloscope Clock Using Hershey Fonts

TECHNICAL REPORT

CALLIGRAPHY FOR COMPUTERS

by

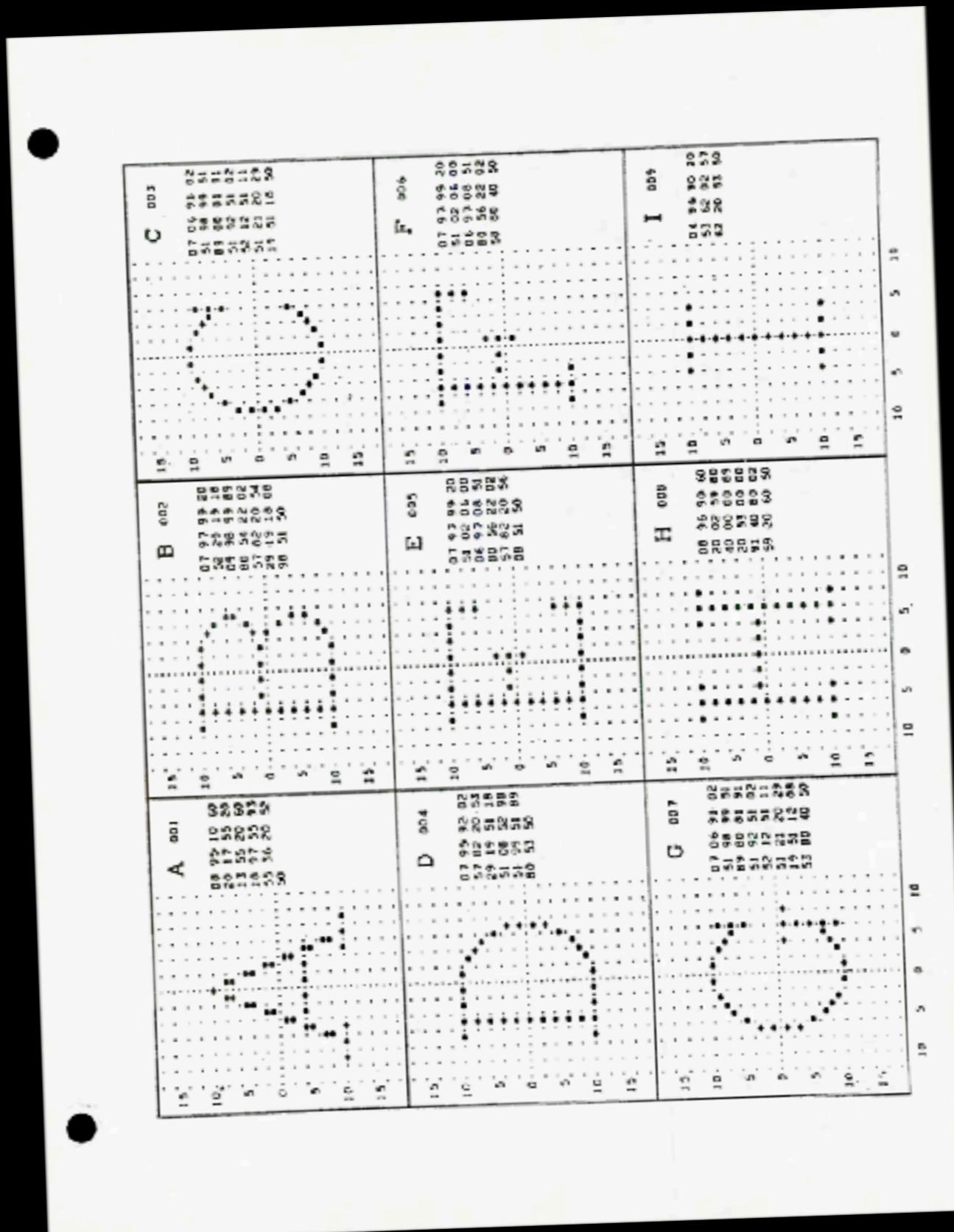
A.V. HERSHY

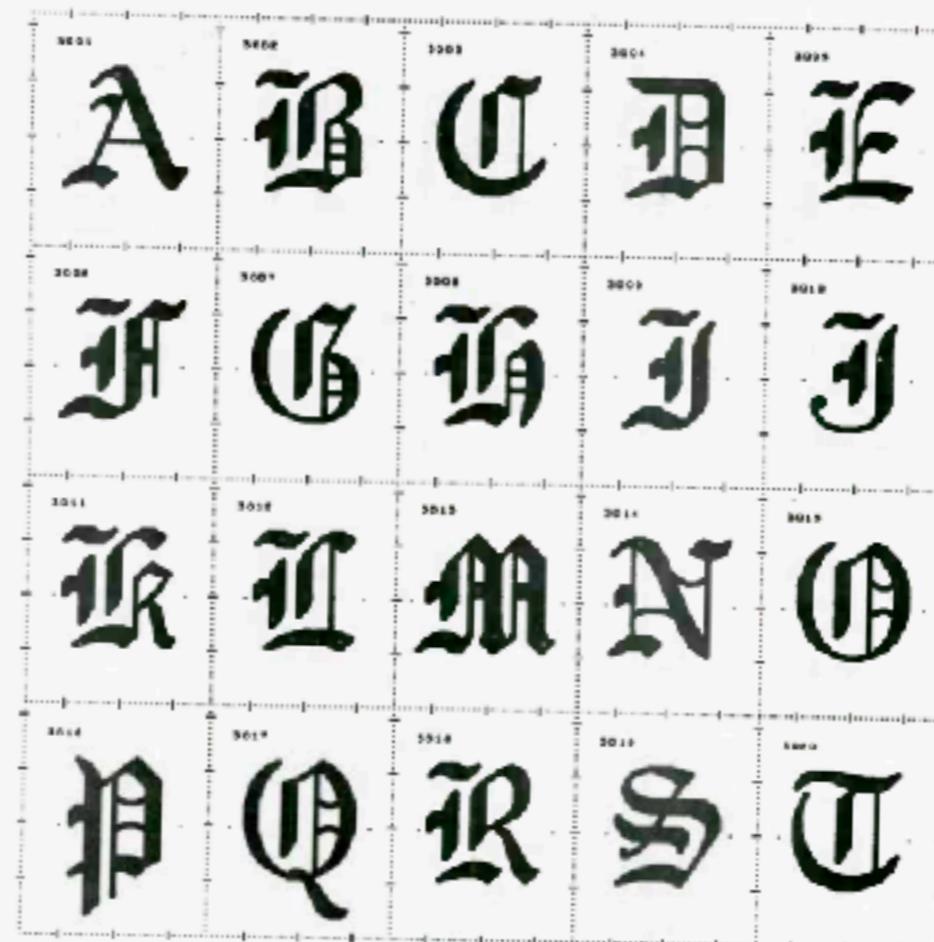
Computation and Analysis Laboratory



13. ABSTRACT

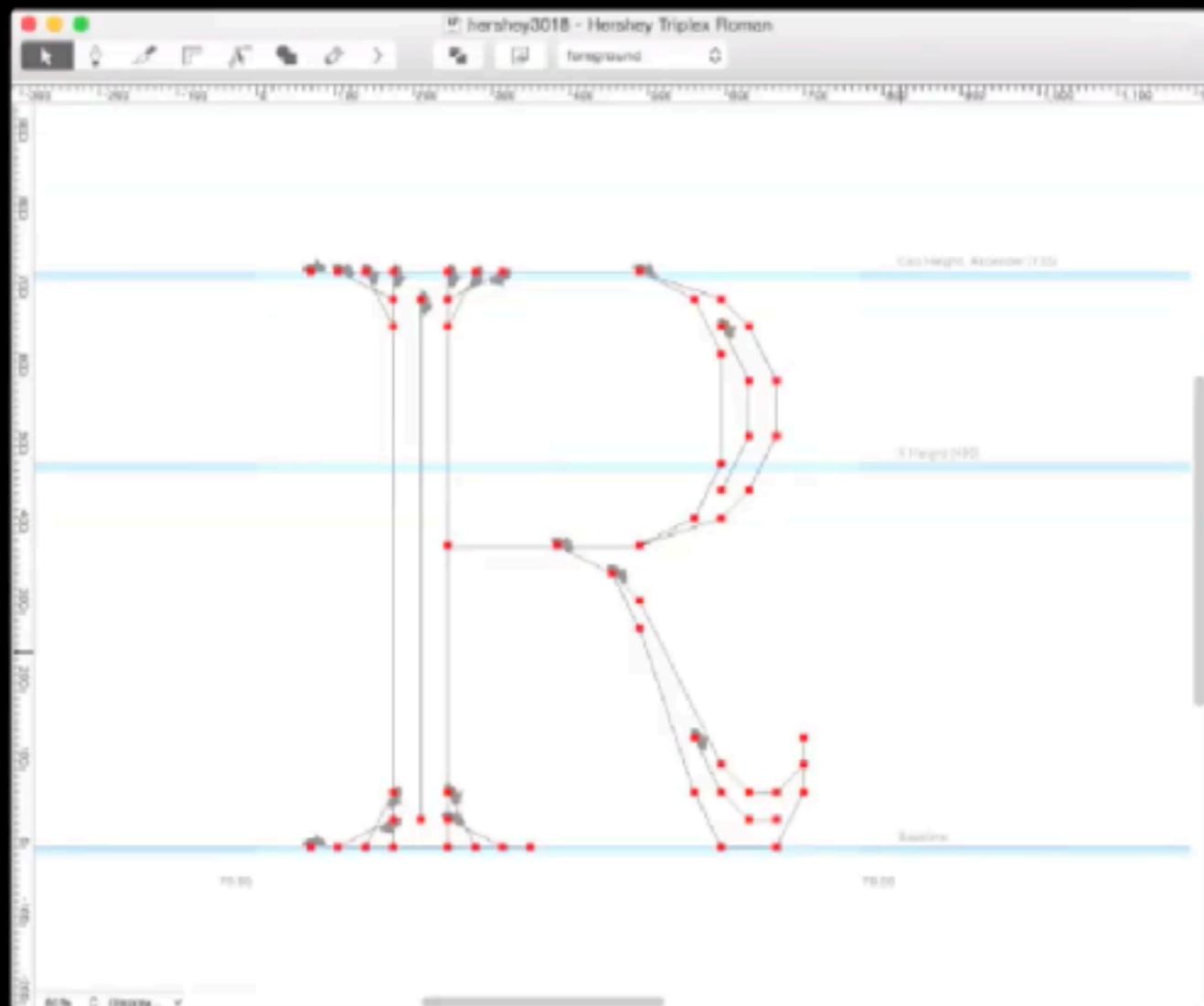
Consideration is given to the possibility of providing a computer and a cathode ray printer with an unlimited repertory of characters. Digitalizations are presented for mathematic, cartographic, and calligraphic characters. The repertory is available to any computer through FORTRAN IV programming. The latest cathode ray printers are almost adequate for the preparation of mathematical reports. Some progress has been made toward development of a mnemonic code for the recording of a mathematical text on tape.

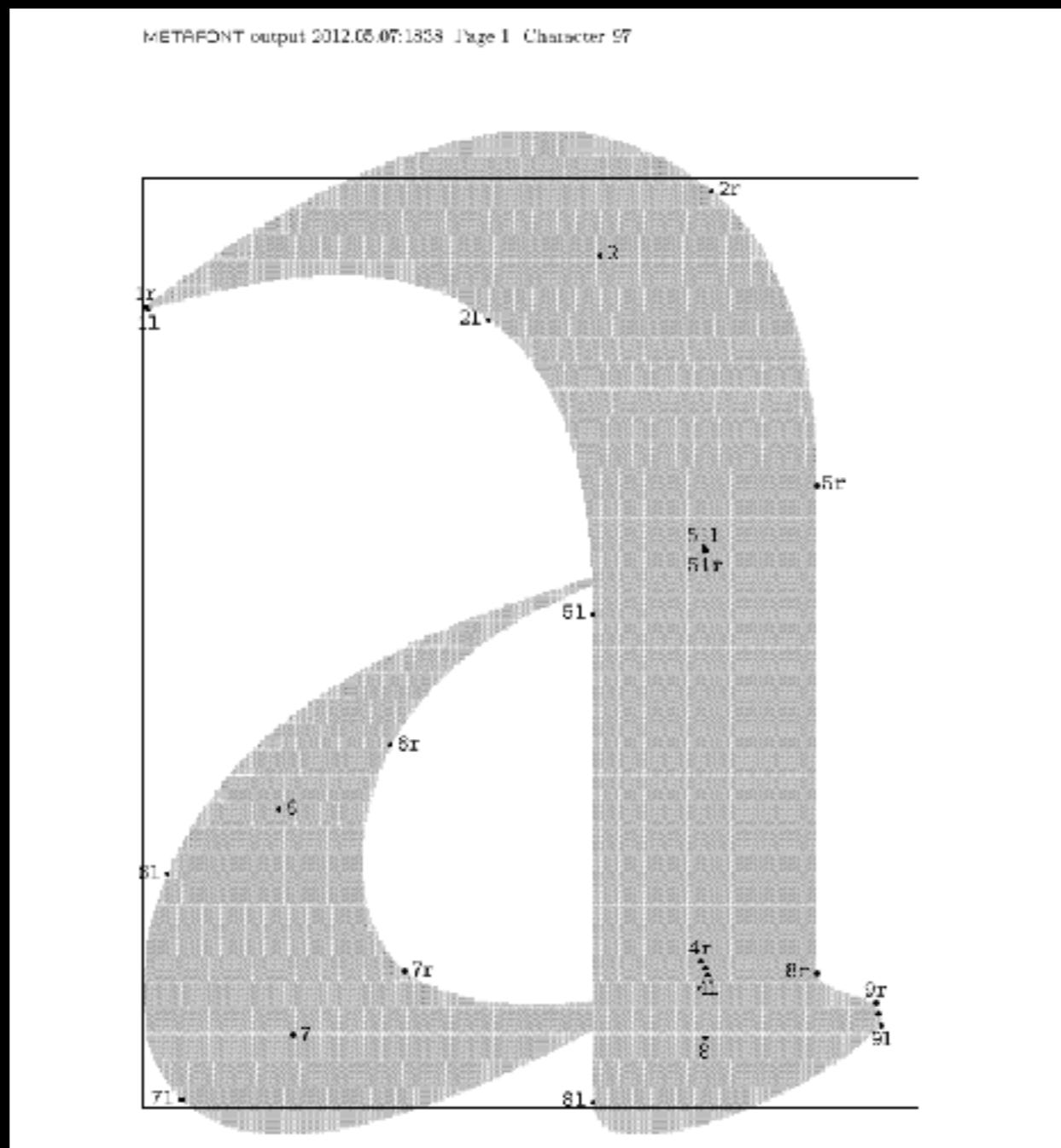






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Λ A A A A A

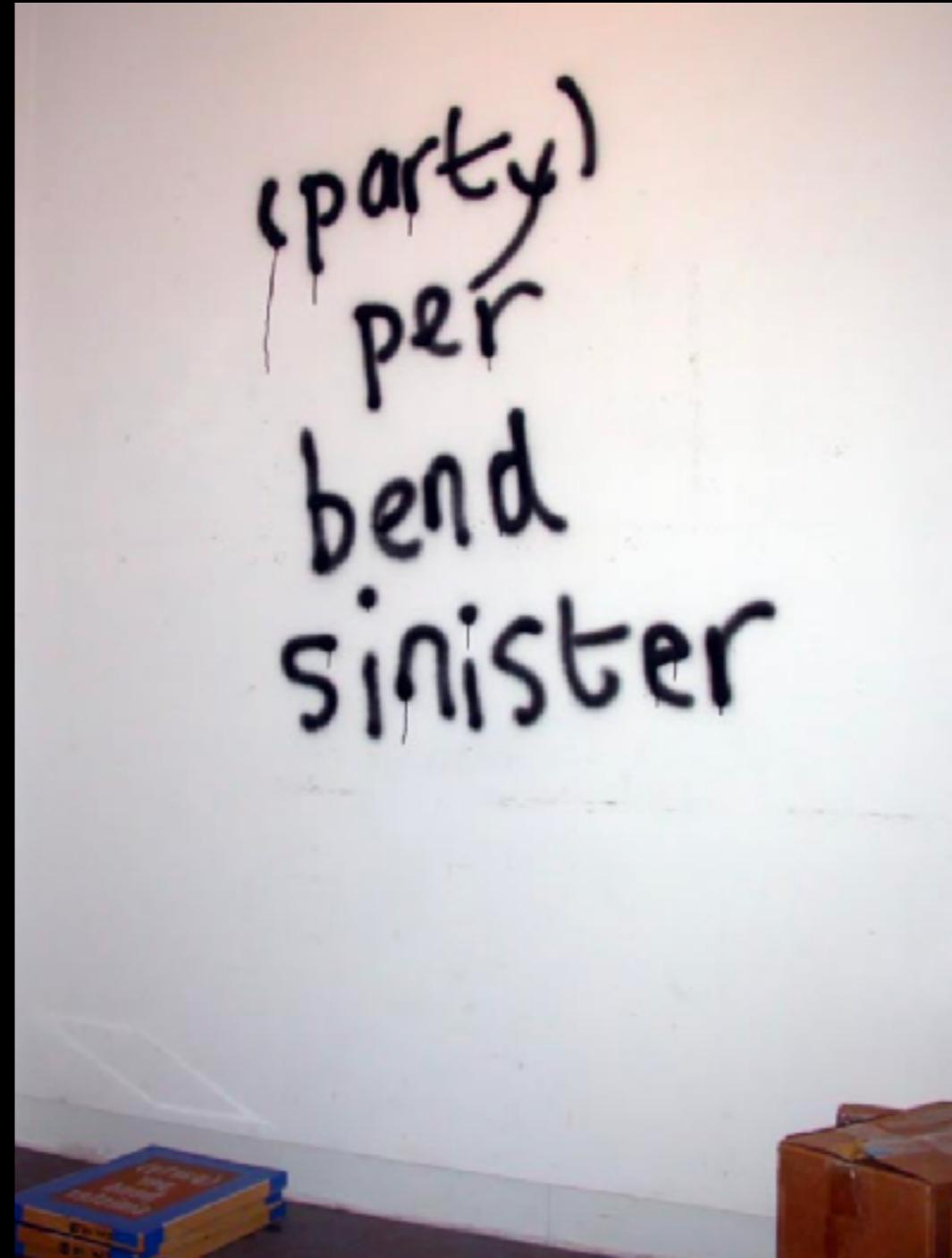
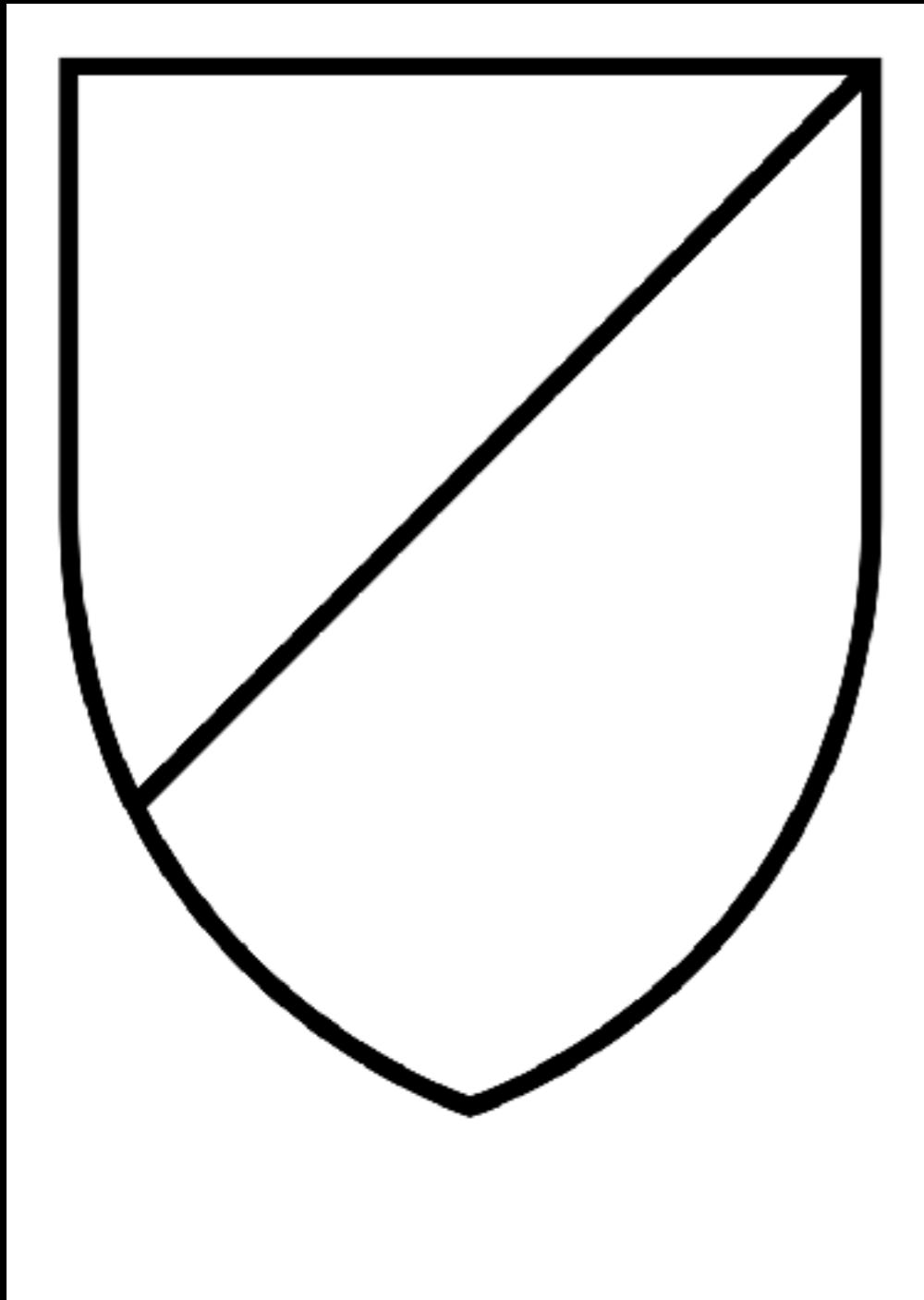
```
** initialization complete. **\r
Welcome to Meta-the-Difference-Between-the-Two-Font.
Today is Fri Mar 2 15:27:30 EST 2012
*
Current working directory is /Users/reinfurt/Documents/Projects/META THE DIFFERE
NCE BETWEEN THE 2 FONT/Source/Meta-the-difference between-the-two-Font/v0.6c
```



```
WEIGHT=50.000000000000000000000000
SLANT=.20000000000000000000
SUPER=.57500000000000000000
PENTYPE=0
PENX=349.5000000000000000000000
PENY=100
PENR=216.0000000000000000000000
Welcome to Meta-the-Difference-Between-the-Two-Font.
Today is Fri Mar 2 15:27:30 EST 2012
*
Current working directory is /Users/reinfurt/Documents/Projects/META THE DIFFERE
NCE BETWEEN THE 2 FONT/Source/Meta-the-difference between-the-two-Font/v0.6c
mftrace 1.2.16
Font `mtdbt2f4d'...
Using encoding file: `/usr/local/texlive/2011basic/texmf/fonts/enc/dvips/tetex/m
tdbt2f.enc'
Running Metafont...
Tracing bitmaps... [0][1][2][3][4][5][6][7][8][9][10][11][12][13][14][15][16][17]
][18][19][20][21][22][23][24][25][26][27][28][29][30][31][32][33][34][35][36][37]
][38][39][40][41][42][43][44][45][46][47][48][49][50][51][52][53][54][55][56][57]
][58][59][60][61][62][63][64][65][66][67][68][69][70][71][72][73][74][75][76][77]
][78][79][80][81][82][83][84][85][86][87][88][89][90][91][92][93][94][95][96][97]
][98][99][100][101][102][103][104][105][106][107][108][109][110][111][112][113][
114][115][116][117][118][119][120][121][122][123][124][125][126][127][128][129][130][
```



Meta Font, Donald Knuth



Dexter Sinister

** Hello world **
** Hello world **

KADIST

KADIST

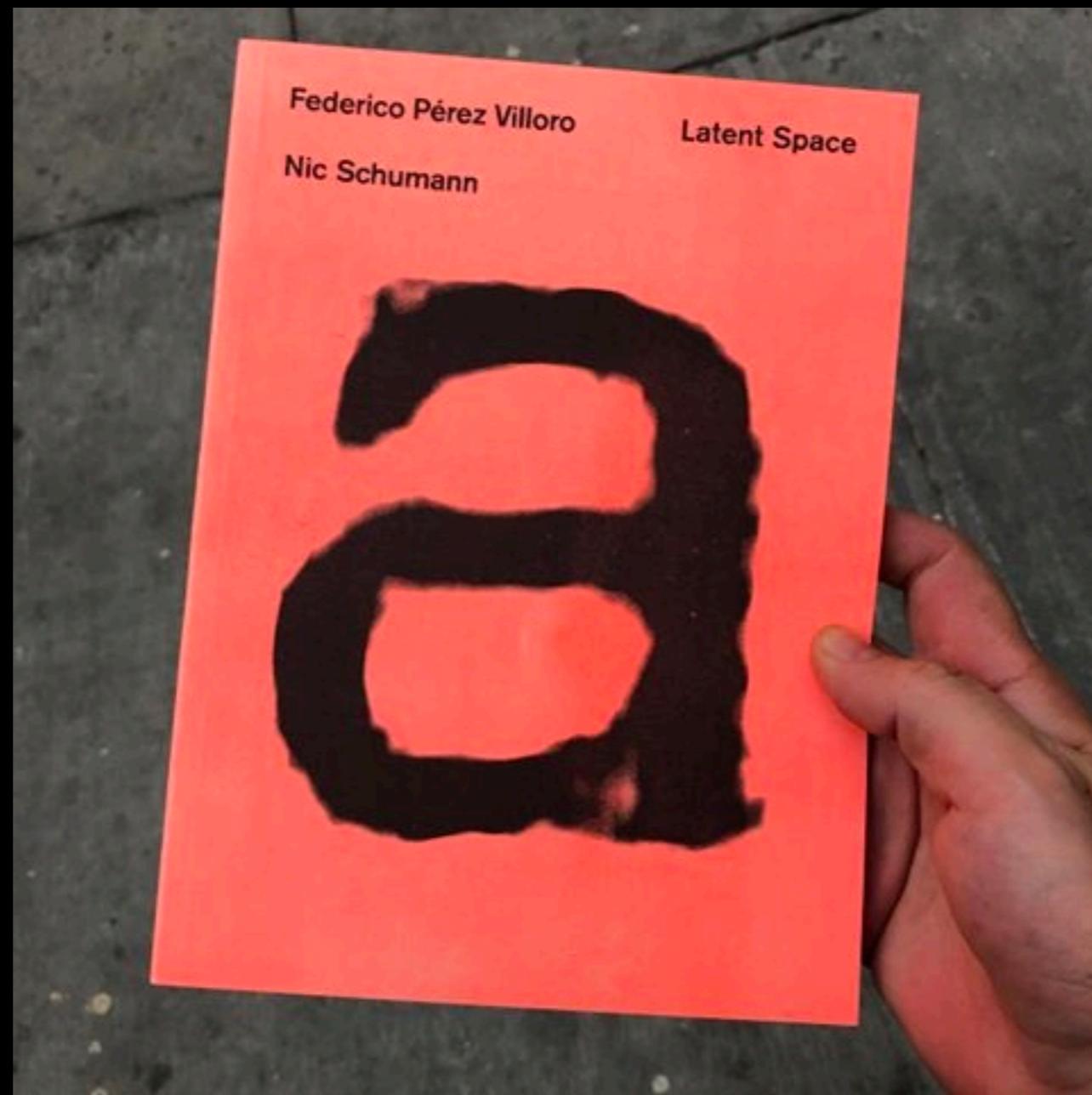
KADIST

THE CONTEMPORARY CONDITION

We Are Here,
But Is It Now?
(The Submarine
Horizons of
Contemporaneity)

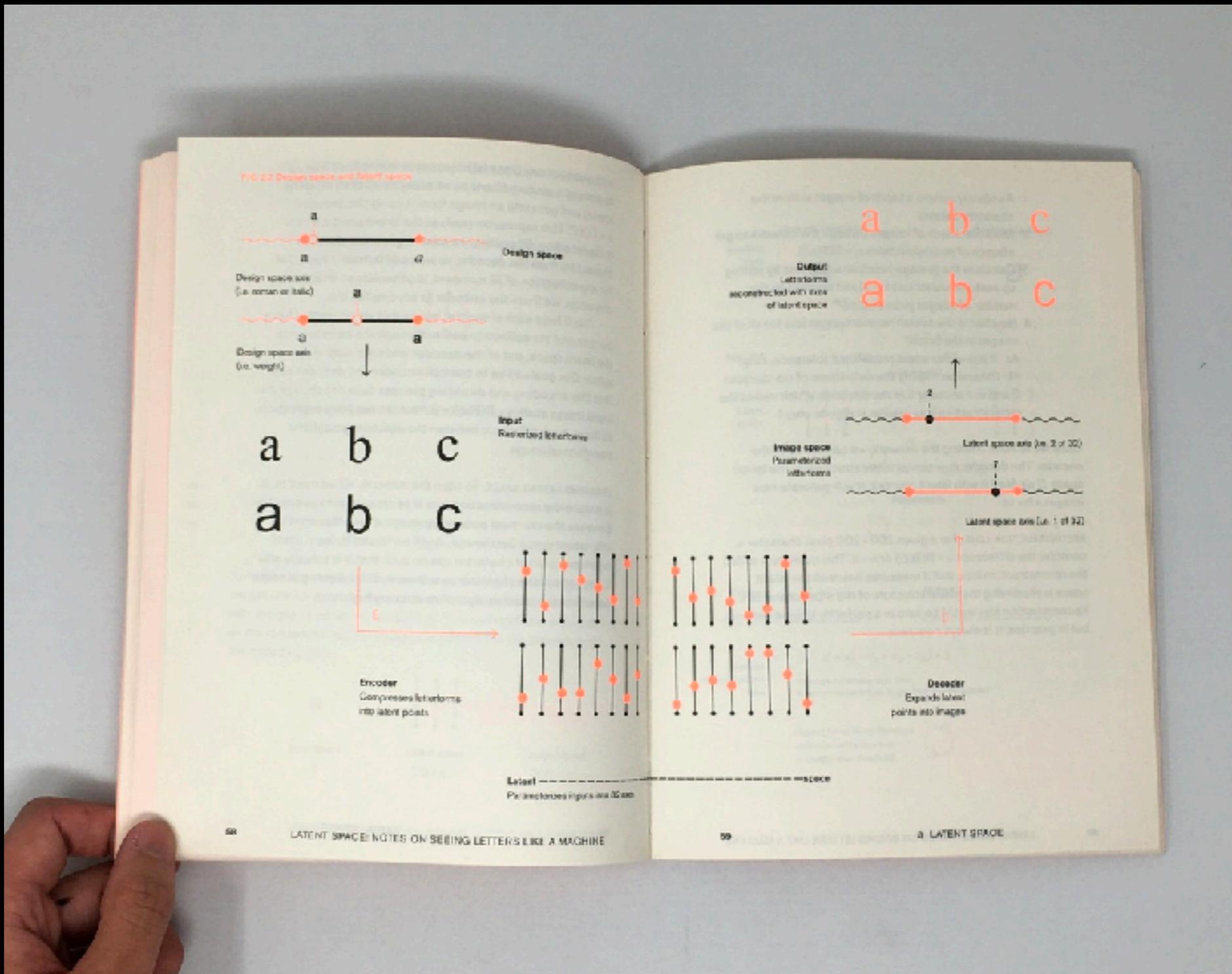
Raqs Media Collective

Sternberg Press 



Latent Space, Federico Pérez Villoro and Nic Schumann





a

o



Adversarial Alphabets #1: How Machines Read, Federico Pérez Villoro and Nic Schumann



```
<div class="eZYga" role="dialog">
  ::before
  <div class="PdwC2 fXiEu s2MYR" role="dialog"
  style="max-width: 815px;">
    <article class="M9sTE L_LMM JyscU ePLUX4"
    role="presentation" tabindex="-1">
      <header class="Ppjfr UE9AK wd0ch"></header>
      <div class="MEAGs"></div>
      <div class="I_97aPb ">
        <div role="button" class="ZyFrc" tabindex="0">
          <div class="eLAPa kPFhm">
            <div class="KL4Bh" style="padding-bottom: 125%;">
              
            </div>
            <div class="I_94hI0"></div> -- $0
          </div>
        </div>
      </div>
    </article>
  </div>
```

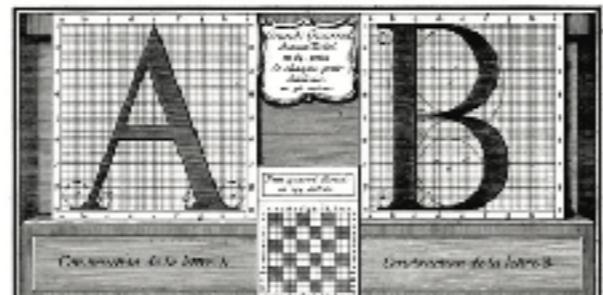
Typeface as Program

Le caractère typographique
comme programme



Typeface as Program

COMPUTED TYPE DESIGN



Christoph Knuth



History

1952



A handmade prototype of a "light gun" as part of the Whirlwind Project at MIT.⁴ It was one of the first electronic input devices and was used to change the state of the memory.



The names of the objects shown on this radar screen are in line art and are therefore real vector letters.

1957



Image from the courtesy of The XITRE Corporation Archives

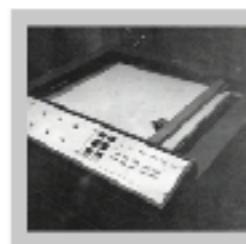
Computerized Typesetting

1962-1963



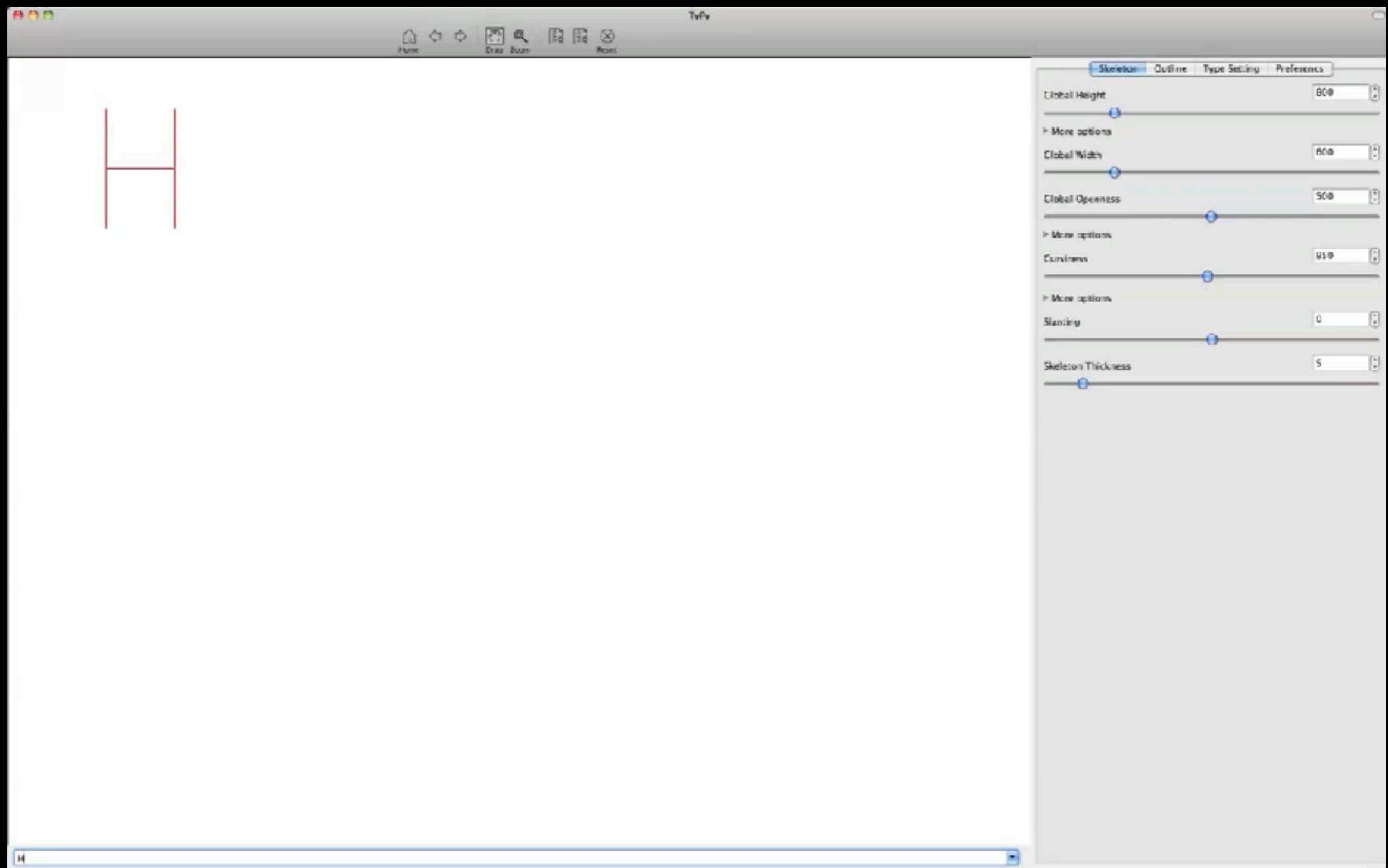
The further development of the light gun resulted in a light pen that was used to draw and drag-and-drop shapes. Which turned out to be quite tiring because one had to have their arm all the time in a lifted position.²

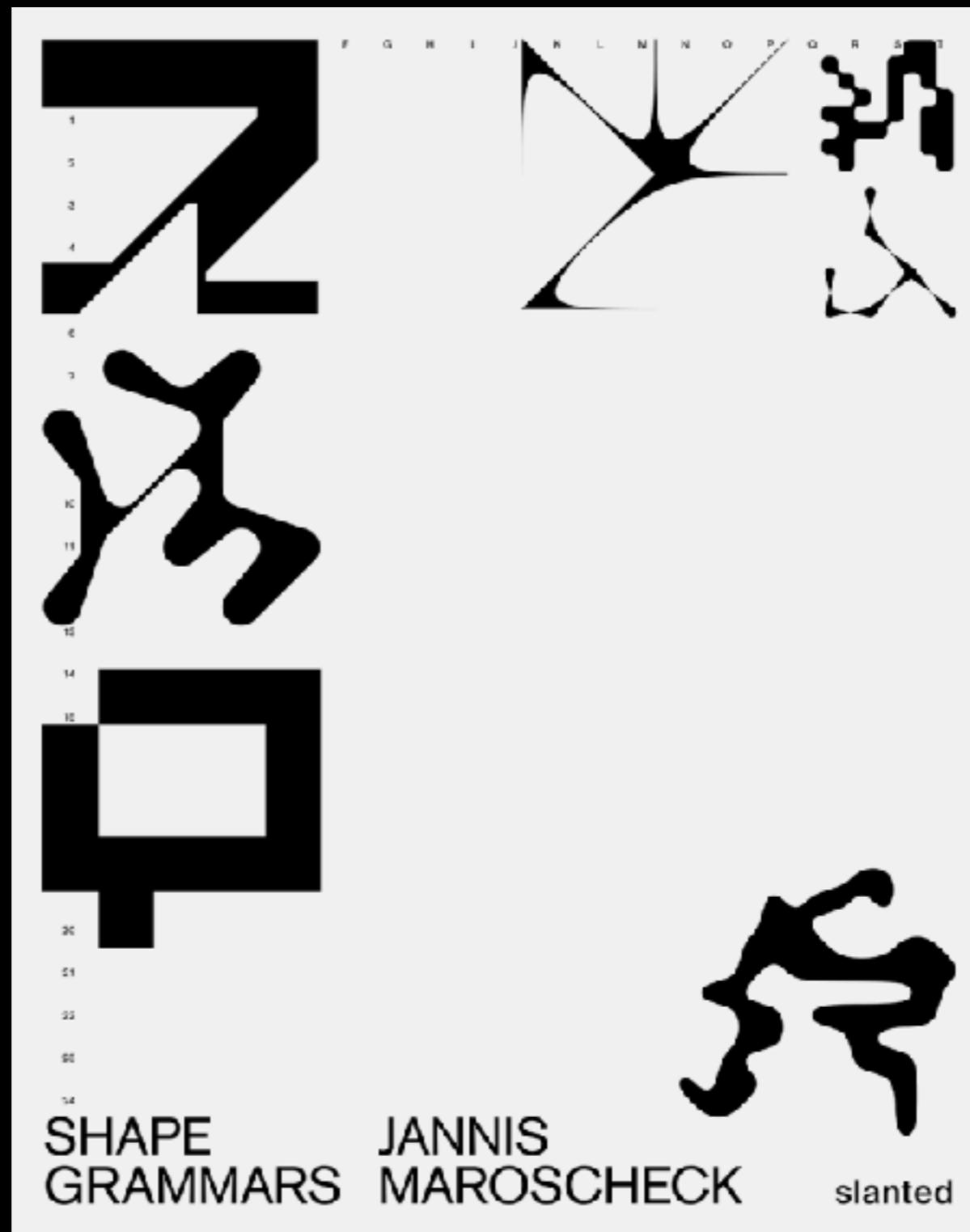
- The program used line art that was displayed on a CRT and not a pixelated screen as we know it today. The reason for this has nothing to do with its progressiveness, the reason has much more to do with the lack of memory for a buffer to store all the pixels that would be needed.

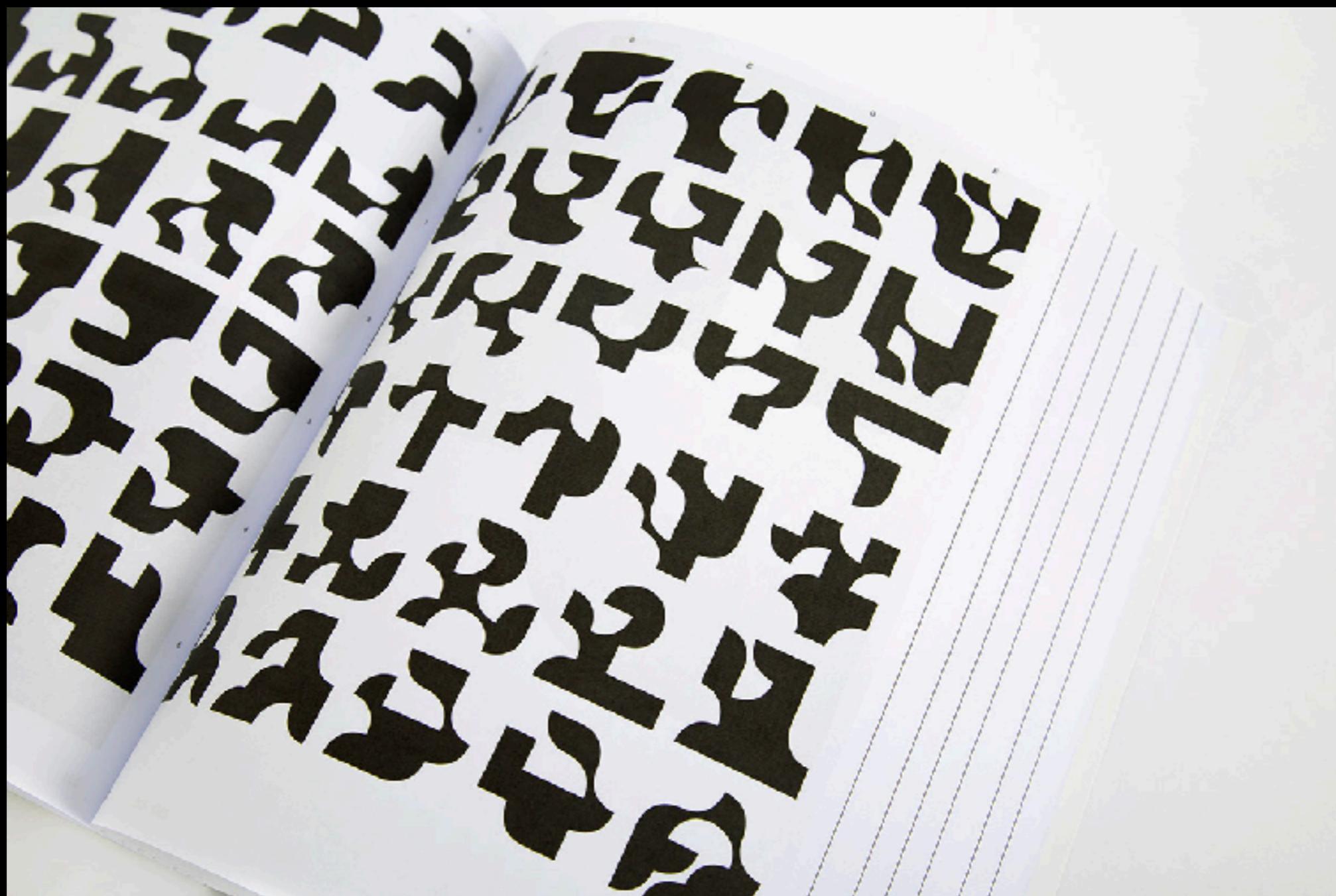


Because all the graphics were made up of lines they could also be outputted by a plotter that could draw straight lines and circles.

- When Ivan Edward Sutherland was asked: "How could you possibly have done the first interactive graphics program, the first non-procedural programming language, the first object-oriented software system, all in one year?" He replied: "Well, I didn't know it was hard."







Shape Grammars, Jannis Maroscheck

← Regular
Outline
→ Stencil

330pt

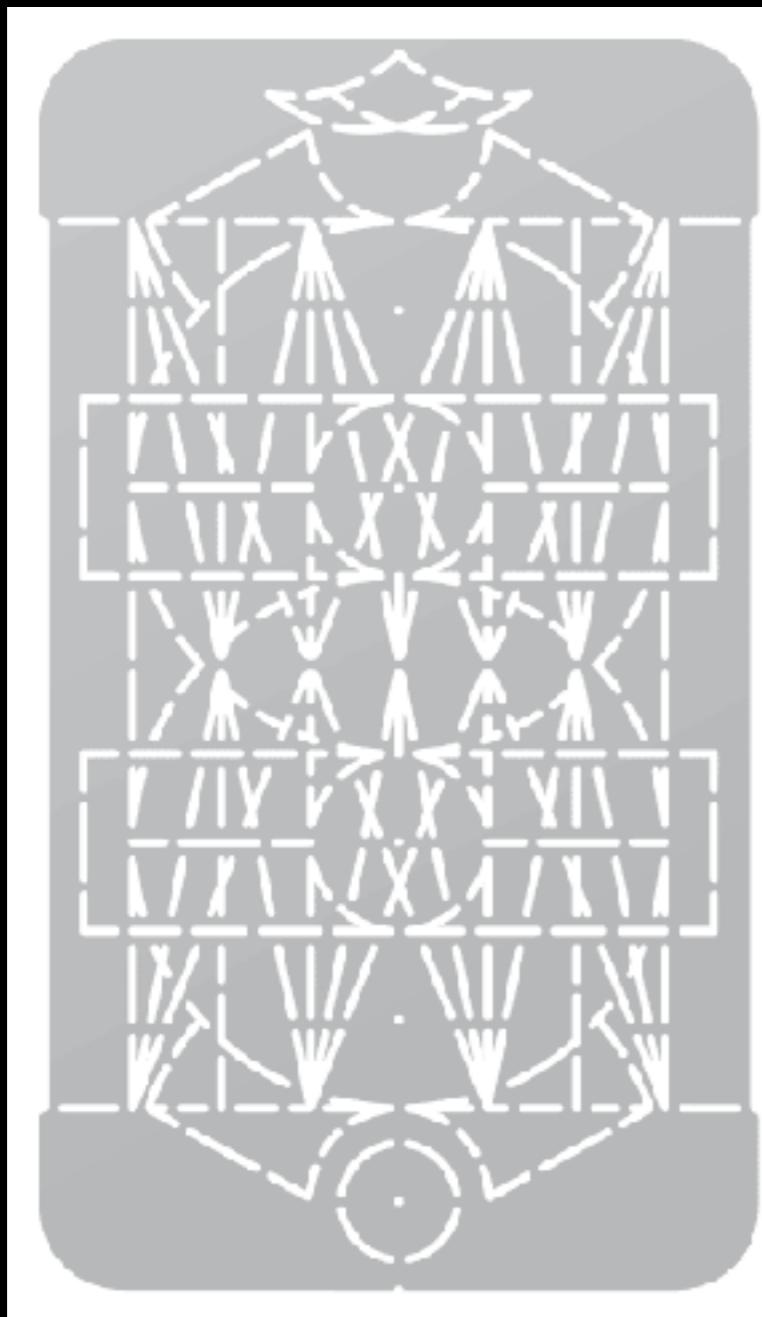
P D U

Regular

60pt

PDU

Font Version
1.001





PDU Metal Stencil, Dries Wiewauters

	é [e:]	i [i]	o [o]	a [a]	ā [a:]	í [i:]	ó [o:]	final
	▽	△	▷	◁	▷	△	▷	
w [w]	▽·	△·	▷·	◁·	▷·	△·	▷·	o
p [p]	∨	∧	>	<	<·	∧	∨	l
t [t]	∪	∩	▷	◁	▷·	∩	∪	'
k [k]	q	p	d	b	b	ρ	d	v
m [m]	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄷ
n [n]	ㅂ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄷ
ə [ə]	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄷ
y [j]	ㄵ	ㄵ	ㄵ	ㄵ	ㄵ	ㄵ	ㄵ	+
c [tʃ, ʃ]	ㄱ	ㄱ	ㅈ	ㄱ	ㄱ	ㄱ	ㅈ	-
r [r]	₩	₩	h [h]	₩	A dot after the symbol = w			
l [l]	₩	₩	hk	₩	e.g. q. = kwē			

"On his way to a sacred society meeting one evening Calling Badger and two singers came upon a bright light and all three fell to the ground. Out of the light came a voice speaking Calling Badger's name. Soon after, Calling Badger fell ill and the people heard he had passed away. During his wake three days later, while preparing to roll him in buffalo robes for the funeral, the people discovered that his body was not stiff like a dead person's body should be. Against all customs and tradition the people agreed to the widow's request to let the body sit one more night. The next day Calling Badger's body was still not stiff so the old people began rubbing his back and chest. Soon his eyes opened and he told the people he had gone to the Fourth World, the spirit world, and there the spirits taught him many things. Calling Badger told the people of the things he was shown that prophesized events in the future, then he pulled out some pieces of birch bark with symbols on them. These symbols, he told the people were to be used to write down the spirit languages, and for the Cree people to use to communicate among themselves."

Next Steps:

- Select one product direction and make progress on a prototype

Reminder:

- Workshop next weekend (Nov 12, 13)
- No class on Nov 10, optional 1:1 meetings