

OCR-
010204

Styles 3

Designer Michael Cina

About OCR-010204 is a monospaced display family that I have been messing with for a long time now. The original inspiration came from a print out on the side of a paper ream in 1996. In 2017 I was working on a project that needed a compressed face and decided to revisit that concept and took it one step further. Each weight comes from a four part grid. The 01 weight is half the width of 02 and a quarter the size of 04, thus 02 is half the width of 04.

OCR-01

OCR-02

OCR-04

Glyphs per font 475

Language Support Afrikaans, Albanian, Basque, Bosnian, Breton, Catalan, Croatian, Czech, Danish, Dutch, English, Esperanto, Estonian, Faroese, Fijian, Finnish, Flemish, French, Frisian, German, Greenlandic, Hawaiian, Hungarian, Icelandic, Indonesian, Irish, Italian, Latin, Latvian, Lithuanian, Malay, Maltese, Maori, Moldavian, Norwegian, Pinyin, Polish, Portuguese, Provençal, Romanian, Romany, Sámi (Inari), Sámi (Luli), Sámi (Northern), Sámi (Southern), Samoan, Scottish Gaelic, Slovak, Slovenian, Sorbian, Spanish, Swahili, Swedish, Tagalog, Turkish, Welsh.

A B C

D E F G H I J K L M N

O P Q R S T U V W

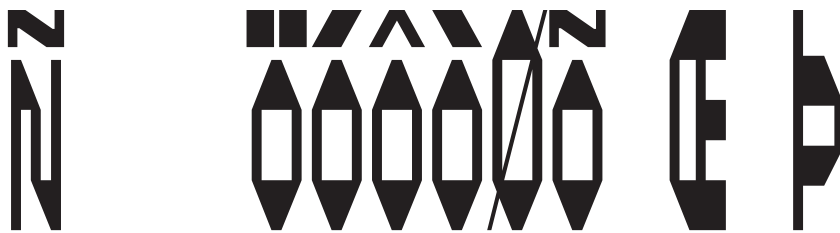
X Y Z

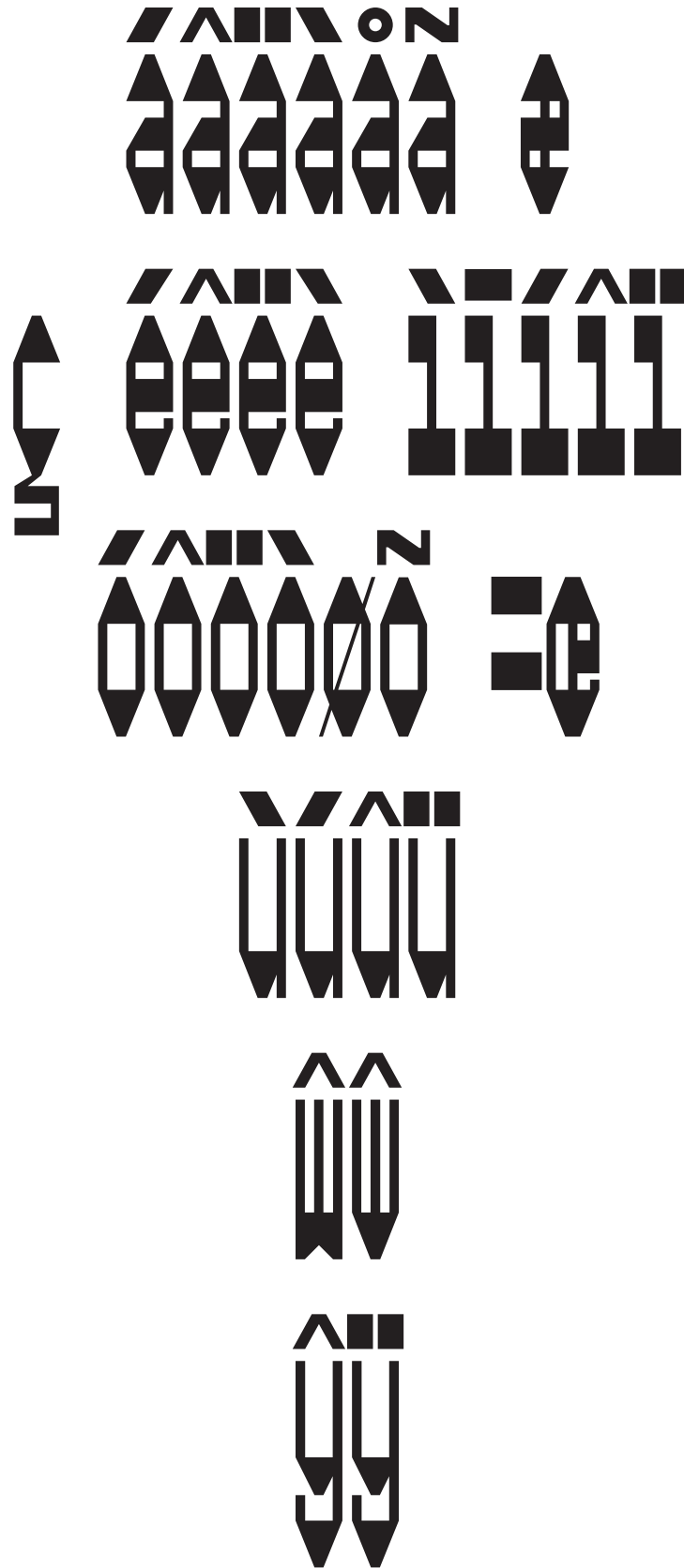
a b c d e f g h i

j k l m n o p

q r s t u v

w x y z





ss01_0123469 ABCDEFG

JKLMNOPRSUVWXZ amstvx

ss02_ABCGMPORSUWY

abcdeefghijklmnopqr

stuvwxyzss 03_AKMNQSW

abcdeefghijklmnoprtuy

SS04_ABKQa SS05_ABMQRA

SS06_A SS07_A

SS08_A C D E F G H I J K L M -

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

#0011223344

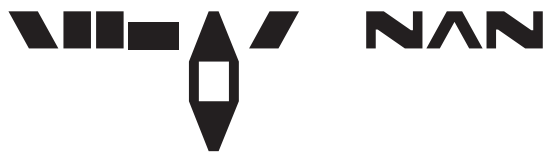
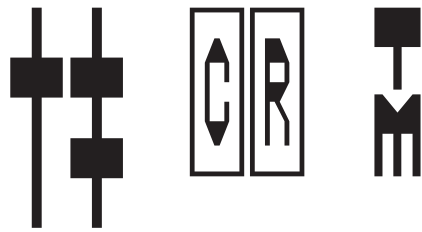
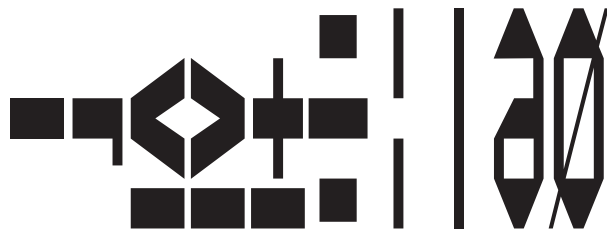
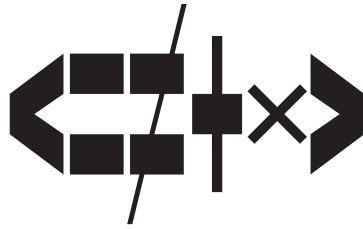
#5667899

1|1|3|1|1|1|1|2|1|2|3|4|1|5|1|3|5|7|
|4|2|4|7|9|0|3|3|5|5|5|5|6|6|8|8|8|8|

\$123.00

3¢ L4 Y6 09

00112233445566778899



Stylistic Set 1

0123456789 ABCDEFGHIJKLMNOPQRSTUVWXYZ amstvxj

Two driven jocks help 23 faxes a big quiz. The 34 jay,
 dog, fox, zebra and my wolves quack! Sympathizing would
 fixed quaker objectives. A wizard's job is to vex
 chumps quickly in leß fog. Watch e35 "jeopardy!", Alex
 Trebek's fun tv quiz game. By jove, my quick study of
 lexicography won a prize! WALTZ, BAD NYMPH, FOR QUICK
 JIGS VEX. GLIB JOCKS QUIZ NYMPH TO VEX DWARF. SPHINX
 OF BLACK QUARTZ, JUDGE MY VOW. HOW VEXINGLY QUICK DAFT
 ZEBRAS JUMP! "THE FIVE BOXING WIZARDS JUMP QUICKLY."

Stylistic Set 2

(A B C G M N O P Q R S 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 s s)

WALTZ, NYMPH, FOR QUICK JIGS VEX BUD. SPHINX OF BLACK
 QUARTZ, JUDGE MY VOW. 256 driven jocks help fax my big
 quiz. The jay, pig, fox, zebra and my wolves quack!
 Sympathizing would fix quaker objectives. A wizard's
 job is to vex chumps quickly in smoke fog. Watch
 "jeopardy!", Alex trebek's fun tv quiz game. By jove,
 my quick study of lexicography won a prize! Waxy and
 quivering, jocks fumble the pizza. Pack my box with
 five million dozen liquor jugs.

Stylis̄tic Set 3

CAKMNQSW abcdefghj̄mnopqr̄tuy)̄

WALTZ, NYMPH, FOR QUICK JIGS VEX BUD. SPHINX OF BLACK
 QUARTZ & JUDGE MY VOW. CRACK MY BOX WITH FIVE DOZEN
 LIQUOR JUGS. GLIB JOCKS QUIZ NYMPH TO VEX. Two driven
 jocks help fax my hig quiz. Re jay, pig, fox, zebra
 & my wolves quack! Sympathizing would fix quaker
 objectives. A wizard's job is to vex chumps quickly in
 fog. Watch "jeopardy!", Rick's fun tv quiz game. quick
 study of lexicography won a prize! Waxy & quivering,
 jocks fumble the pizza.

Stylistic Set 4

(ABKQa)

I saw a rainbow while I was listening to the radio in my rowboat. You should recycle that tennis racket or give it to a runner. Ryan was eating raisins and radishes while watching the rugby game. It is not responsible to have a pet rattlesnake. Ralph listens to rock-n-roll while he draws a raccoon holding a rose. The robot was rusty because it rode into the river. The rectangle book I'm reading is about the Rocky Mountains. Tie the ribbon around the rhino named

Stylistic Set 5

CABMQR aD

WALTZ, NYMPH, FOR QUICK JIGS VEX BUD. SPHINX OF BLACK
 QUARTZ & JUDGE MY VOW. CRACK MY BOX WITH FIVE DOZEN
 LIQUOR JUGS. GLIB JOCKS QUIZ NYMPH TO VEX. Two driven
 jocks help fax my big quiz. Re jay, pig, fox, zebra
 & my wolves quack! Sympathizing would fix quaker
 objectives. A wizard's job is to vex chumps quickly in
 fog. Watch "jeopardy!", Rick's fun tv quiz game. quick
 study of lexicography won a prize! Waxy & quivering,
 jocks fumble the pizza.

Stylistic Set 6

(A)

I SAW A RAINBOW WHILE I WAS LISTENING TO THE RADIO
IN MY ROWBOAT. YOU SHOULD RECYCLE THAT TENNIS RACKET
OR GIVE IT TO A RUNNER. RYAN WAS EATING RAISINS AND
RADISHES WHILE WATCHING THE RUGBY GAME. IT IS NOT
RESPONSIBLE TO HAVE A PET RATTLESNAKE. RALPH LISTENS
TO ROCK-N-ROLL WHILE HE DRAWS A RACCOON HOLDING A
ROSE. THE ROBOT WAS RUSTY BECAUSE IT RODE INTO THE
RIVER. THE RECTANGLE BOOK I'M READING IS ABOUT THE
ROCKY MOUNTAINS. TIE THE RIBBON AROUND THE RHINO NAMED

Stylistic Set 7

(A)

WALTZ, NYMPH, FOR QUICK JIGS VEX BUD. SPHINX OF BLACK
QUARTZ & JUDGE MY VOW. CRACK MY BOX WITH FIVE DOZEN
LIQUOR JUGS. GLIB JOCKS QUIZ NYMPH TO VEX. TWO DRIVEN
JOCKS HELP FAX MY BIG QUIZ. RE JAY, PIG, FOX, ZEBRA
& MY WOLVES QUACK! SYMPATHIZING WOULD FIX QUAKER
OBJECTIVES. A WIZARD'S JOB IS TO VEX CHUMPS QUICKLY IN
FOG. WATCH "JEOPARDY!", RICK'S FUN TV QUIZ GAME. QUICK
STUDY OF LEXICOGRAPHY WON A PRIZE! WAXY & QUIVERING,
JOCKS FUMBLE THE PIZZA.

Stylistic Set 8

CACDEFGHIJKLMNOPQRSTUVWXYZ

I SAW A RAINBOW WHILE I WAS LISTENING TO THE RADIO
IN MY ROWBOAT. YOU SHOULD RECYCLE THAT TENNIS RACKET
OR GIVE IT TO A RUNNER. RYAN WAS EATING RAISINS AND
RADISHES WHILE WATCHING THE RUGBY GAME. IT IS NOT
RESPONSIBLE TO HAVE A PET RATTLESNAKE. RALPH LISTENS
TO ROCK-N-ROLL WHILE HE DRAWS A RACCOON HOLDING A
ROSE. THE ROBOT WAS RUSTY BECAUSE IT RODE INTO THE
RIVER. THE RECTANGLE BOOK I'M READING IS ABOUT THE
ROCKY MOUNTAINS. TIE THE RIBBON AROUND THE RHINO NAMED

OPTICAL
CHARACTER
RECOG

THE ELECTRONIC / MECHANICAL CONVERSION / IMAGES

Education of children in the spirit of humanism and peace

OCR-010204 Beste!

Czechoslovakia

Internally, the GDR also bordered the Soviet sector of Allied-occupied Berlin, known as East Berlin, which was also administered as the state's de facto capital.

UNITED STATES & FRANCE

■ N2 Karlshorst 48

CONCEPTS: ASPECTS! VARIANTS?

EARLY OCR TRACED

"STATISTICAL MACHINE"

1974 RAY KURZWEIL

COMPUTER

Recognize text / Printed / Virtually any font

OMNISE

Best application of his technology would be to create a reading machine for the blind

FLATBED JAN 13, 1976

Segmentation

FIXED-PITCH FONTS

Aligning the image to a uniform grid based

Layout analysis or "zoning" - Identifies columns, paragraphs, captions, etc. as distinct blocks.
Especially important in multi-column layouts and tables.

vertical grid lines will least often intersect
"proportional fonts"

The New York Times has adapted the OCR technology into a proprietary tool they entitle, Document Helper, that enables their interactive news team to accelerate the processing of documents that need to be reviewed. They note that it enables them to process what amounts to as many as 5,400 pages per hour in preparation for reporters to review the contents. Special fonts like OCR-A, OCR-B, or MICR fonts, with precisely specified sizing, spacing, and distinctive character shapes, allow a higher accuracy rate during transcription in bank check processing. Ironically, however, several prominent OCR engines were designed to capture text in popular fonts such as Arial or Times New Roman, and are incapable of capturing text in these fonts that are specialized and much different from popularly used fonts. As Google Tesseract can be trained to recognize new fonts, it can recognize OCR-A, OCR-B and MICR fonts. [30] "Comb fields" are pre-printed boxes that encourage humans to write more legibly — one glyph per box. These are often printed in a "dropout color" which can be easily removed by the OCR system. Palm OS used a special set of glyphs, known as "Graffiti" which are similar to printed English characters but simplified or modified for easier recognition on the platform's

The output stream may be a plain text stream or file of characters, but more sophisticated OCR systems can preserve the original layout of the page and produce, for example, an annotated PDF that includes both the original image of the page and a searchable textual representation. "Near-neighbor analysis" can make use of co-occurrence frequencies to correct errors, by noting that certain words are often seen together. [27] For example, "Washington,

In recent years, [when?] the major OCR technology providers began to tweak OCR systems to deal more efficiently with specific types of input. Beyond an application-specific lexicon, better performance may be had by taking into account business rules, standard expression, or rich information contained in color images. This strategy is called "Application-Oriented OCR" or "Customized OCR", and has been applied to OCR of license plates, invoices, screenshots, ID cards, driver licenses, and automobile manufacturing. The New York Times has adapted the OCR technology into a proprietary tool they entitle, Document

Segmentation of fixed-pitch fonts is accomplished relatively simply by aligning the image to a uniform grid based on where vertical grid lines will least often intersect black areas. For proportional fonts, more sophisticated techniques are needed because whitespace between letters can sometimes be greater than that between words, and vertical lines can intersect more than one character. There are two basic types of core OCR algorithm, which may produce a ranked list of candidate characters. Matrix matching involves comparing an image to a stored glyph on a pixel-by-pixel basis; it is also known as "pattern matching",

Software such as Cuneiform and Tesseract use a two-pass to character recognition. The second pass is known as "adaptive recognition" and uses the letter shapes recognized with high confidence on the first pass to recognize better the remaining letters on the second pass. This is

OCR accuracy can be increased if the output is constrained by a lexicon — a list of words that are allowed to occur in a document. This might be, for example, all the words in the English language, or a more techni-

The word "city" and the related "civilization" come, via Old French, from the Latin root civitas, originally meaning citizenship or community member and eventually coming to correspond with urbs, meaning "city" in a more physical sense. The Roman civitas was closely linked with the Greek polis—another common root appearing in

Commissioned by the U.S. Department of Energy CDOED, the Information Science Research Institute CISRID had the mission to foster the improvement of automated technologies for understanding machine printed documents, and it conducted the most authoritative of the Annual Test of OCR Accuracy from 1992 to 1996. [33]

Recognition of Latin-script, typewritten text is still not 100% accurate even where clear imaging is available. One study based on recognition of 19th- and early 20th-century newspaper pages concluded that character-by-character OCR accuracy for commercial OCR software varied from

A city is distinguished from other human settlements by its relatively great size, also by its functions & its



About

Public is a collective of typeface and graphic designers. We have a boundless interest in constructing form to communicate. We are for curious discovery. We are advocates for type design. We work on custom typefaces for companies of all shapes and sizes. We contribute to a local and worldwide community. We are for sharing knowledge. We facilitate workshops. We use some of our profits to fund scholarships for aspiring designers who need a leg up. We are for tearing down walls. We count on a better tomorrow. We are Public.