Symbola

Features and Repertoire

Symbola, version 12.00, March 2019

free strictly for personal, non-commercial use

Unicode Fonts for Ancient Scripts

George Douros

OpenType features

✓ Small Caps, Small Capitals From Capitals, Superscripts and Subscripts;

smcp Small Capitals: abcdefghijkαβγδεζηθικϐϑφϖϝϗϱ → ABCDEFGHIJKABΓΔEZHΘIKBΘΦΠFKP

c2sc Small Capitals From Capitals: ABCDEFGHIJKABΓΔEZHΘIKF→ ABCDEFGHIJKABΓΔEZHΘIKF

sups Superscript: 234567abcdefghijkαβγδεζηθικϐϑφϖϝϗϱ → $^{234567abcdefghijk\alpha\beta\gamma\delta\varepsilon\zeta\eta\theta\iota\kappa\varkappa\vartheta\varphi\varpi\digamma\varkappa\varrho}$

subs Subscript: 234567abcdefghijkαβγδεζηθικϐϑφϖϝϗϱ → $_{234567abcdefghijk\alpha\beta\gamma\delta\varepsilon\zeta\eta\theta\iota\kappa\varkappa\vartheta\varphi\varpi\digamma\varkappa\varrho}$

✓ Old Style Figures, Numerators, Denominators and Fractions;

onum Oldstyle Figures: 0123456789 → 0123456789

numr Numerators: 0123456789 → ^{0123456789}

dnom Denominators: 0123456789 → $_{0123456789}$

frac Fractions: 137/29 + 5/8 = 1241/232 → $^{137}⁄_{29}$ + $^{5}⁄_{8}$ = $^{1241}⁄_{232}$

✓ Mathematical Variants;

ccmp Standardized Variants:
0∅∩∪⪇⪈≨≩⪋⪌⫏⫐⊓⊔⊕⊗⊖⪇⪈⫟⫠⪇⪈⫏⫐ → 0∅∩∪⪇⪈≨≩⪋⪌⫏⫐⊓⊔⊕⊗⊖⪇⪈⫟⫠⪇⪈⫏⫐

dtls Dotless Forms: 𝒾̊𝒿̊ij𝒾̊𝒿̊𝒾𝒿𝒾̊𝒿̊𝒾𝒿ij𝒾̊𝒿̊ij𝒾̊𝒿̊ij → 𝒾̊𝒿̊ij𝒾̊𝒿̊𝒾𝒿𝒾̊𝒿̊𝒾𝒿ij𝒾̊𝒿̊ij𝒾̊𝒿̊ij

cv01 Character Variants: 𝑴𝒐 𝒐→ 𝑴𝒐 𝒐

slash zero & open four: 04 ^{04} $_{04}$ *04* 04 *04* **04** 𝟘𝟜 04 **04** 04 → 04 ^{04} $_{04}$ 04 04 04 **04** 𝟘𝟜 04 **04** 04

✓ Latin Ligatures;

dlig Discretionary Ligatures: st a/c a/s c/o c/u A/S → ﬆ ℀ ℁ ℅ ℆ ⅍, אל ← א

hlig Historical Ligatures: ſt → ßt

liga Standard Ligatures: ffi, ffl, ff, fi, fl, ffj, fj, tti, tf → ffi, ffl, ff, fi, fl, ffj, fj, tti, tf

✓ Hebrew Features;

dlig Discretionary Ligatures: אל ← א

aalt Access All Alternates: א ← א

ccmp Cantillation Marks and Points: בְּבֱּבֲּבֳּבִּבֵּבֶּבַּבָּבְּבֱּבֲּבֳּבִּבֵּבֶּבַּבָּבְּבֱּבֲּבֳּבִּבֵּבֶּבַּבָּבְּ וֹ ֗ ֘ ֙ ֜ ֝ ֞ ֟ ֠ ֡ ֢ ֣ ֤ ֥ ֦ ֧ ֨ ֩ ֪ ֫ ֬ ֭ ֮ ֯

✓ Gothic Features;

c2sc lowercase: 𐌰𐌱𐌲𐌳𐌴𐌵𐌶𐌷𐌹𐌺𐌻𐌼𐌽𐌾𐌿𐍀𐍁𐍂𐍃𐍄𐍅𐍆𐍇𐍈𐍉𐍊 → 𐌰𐌱𐌲𐌳𐌴𐌵𐌶𐌷𐌹𐌺𐌻𐌼𐌽𐌾𐌿𐍀𐍁𐍂𐍃𐍄𐍅𐍆𐍇𐍈𐍉𐍊

ccmp marks: Ï Ā Ē Ī Ō Ū, ï ā ē ī ō ū

dlig ligatures: TT ΛΛ тт λλ → TT ΛΛ тт λλ

✓ Italics for Basic Latin, Greek and Cyrillic;

ital Italics: ABCdefΦΨΩλύψϑϖϝэДЭЯбгйыĽæĥŋtơəʁʒ → *ABCdefΦΨΩλύψϑϖϝэДЭЯбгйыĽæĥŋtơəʁʒ*
1234567890ſtðftζ1234567890Fϝ → *1234567890ſtðftζ1234567890Fϝ*

✓ bold and bold italic for Basic Latin and Greek;

ss08 Bold: ABCdefΦΨΩδψωφϖFϝϗϱΘϵð∇ → **ABCdefΦΨΩδψωφϖFϝϗϱΘϵð∇** 0123...789 → **0123...789**

ss09 Bold Italic: ABCdefΦΨΩδψωφϖFϝϗϱΘϵð∇ → ***ABCdefΦΨΩδψωφϖFϝϗϱΘϵð∇***

✓ Latin swash letters;

swsh Swash: ABCDEGHIJKLMnopqrstuvwxyz → *𝒜ℬ𝒞𝒟ℰℊℋℐ𝒥𝒦ℒ𝓂𝓃𝑜𝓅𝓆𝓇𝓈𝓉𝓊𝓋𝓌𝓍𝓎𝓏*

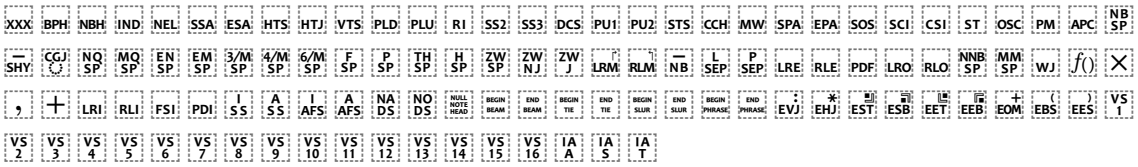
✓ Chess and draughts pieces on black squares;

aalt Access All Alternates: ♝ 🂣 🂸 → 🂣 🂣 🂸

✓ Historical Cyrillic signs for myriads with letters а в г д е ѕ ʒ и ѳ and combining marks ◯ ◌҇ ◌҈ ◌҉ ◌҃ ◌҅ ◌҆ ◌҄ ◌҅ ◌҆ ◌҄ ◌҅ ◌҆ ◌҄

version notes

- ✓ Complete Latin, Greek, Cyrillic, Hebrew, Coptic, Gothic, Deseret, Phonetic and Combining Marks' blocks;
- ✓ Symbols and characters (171 characters, 303 glyphs) introduced in Unicode 12;
- ✓ Chess, draughts and heterodox chess pieces on black squares are available with the aalt feature applied to the encoded glyphs (on white squares); the empty squares ▨ are the aalt of □■;
- ✓ There are no weight or style variants of Symbola; the *Mathematical Alphanumeric Symbols* (1D400.. 1D7FF) block contains such variants for letters with the semantics of UTReport 25: 'Unicode Support of Mathematics'; see also pp. 786-789 of "The Unicode Standard Version 10.00 - Core Specification". Italics may be available with the OpenType feature ital; see character coverage at the end of this file.
- ? Screen appearance of hinted or unhinted Symbola depends on the actual OS and application used.
- ✓ Scan lines (23BA...23BD) are designed 'unified' with other (203E, 2013, 005F) relevant glyphs: ¯–-‒_
- ✓ Spaces and control characters may be graphically displayed by transposition to Plane-15. For example, the zero-width joiner U+**0**200D can be displayed as U+**F**200D = ZWJ, or the null notehead U+**1**D159 as U+**F**D159 = NULL NOTE HEAD. These are the only *Symbola* glyphs (111) in Private Use Areas:



document information

- ✓ This document uses only *Symbola* font; with all its OpenType features.
- ✗ OpenType features are implemented only in high-end desktop publishing software; popular word processors do not support advanced OpenType features.
- ☑ LibreOffice, by The Document Foundation, supports all OpenType features present in *Unicode Fonts for Ancient Scripts*. This pdf document was prepared in LibreOffice 5.4.2.2; the accompanying source file, *Symbola.otd*, will not display correctly in other applications.

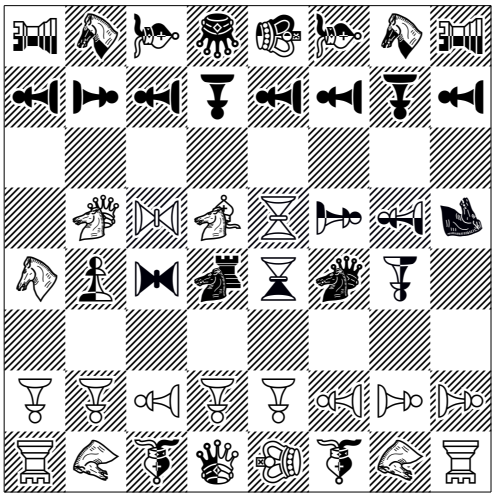
blocks covered

BMP Basic Latin, Latin-1 Supplement, Latin Extended-A, Latin Extended-B, IPA Extensions, Spacing Modifier Letters, Combining Diacritical Marks, Greek and Coptic, Cyrillic, Cyrillic Supplement, Hebrew, Combining Diacritical Marks Extended, Cyrillic Extended-C, Phonetic Extensions, Phonetic Extensions Supplement, Combining Diacritical Marks Supplement, Latin Extended Additional, Greek Extended, General Punctuation, Superscripts and Subscripts, Currency Symbols, Combining Diacritical Marks for Symbols, Letterlike Symbols, Number Forms, Arrows, Mathematical Operators, Miscellaneous Technical, Control Pictures, Optical Character Recognition, Enclosed Alphanumerics, Box Drawing, Block Elements, Geometric Shapes, Miscellaneous Symbols, Dingbats, Miscellaneous Mathematical Symbols-A, Supplemental Arrows-A, Braille Patterns, Supplemental Arrows-B, Miscellaneous Mathematical Symbols-B, Supplemental Mathematical Operators, Miscellaneous Symbols and Arrows, Latin Extended-C, Coptic, Cyrillic Extended-A, Supplemental Punctuation, Yijing Hexagram Symbols, Cyrillic Extended-B, Latin Extended-D, Latin Extended-E, Alphabetic Presentation Forms, Variation Selectors, Combining Half Marks, Specials;

SMP Aegean Numbers, Ancient Greek Numbers, Ancient Symbols, Phaistos Disc, Coptic Epact Numbers, Gothic, Deseret, Byzantine Musical Symbols, Musical Symbols, Ancient Greek Musical Notation, Tai Xuan Jing Symbols, Counting Rod Numerals, Mathematical Alphanumeric Symbols, Mahjong Tiles, Domino Tiles, Playing Cards, Enclosed Alphanumeric Supplement, Enclosed Ideographic Supplement, Miscellaneous Symbols and Pictographs, Emoticons, Ornamental Dingbats, Transport and Map Symbols, Alchemical Symbols, Geometric Shapes Extended, Supplemental Arrows-C, Supplemental Symbols and Pictographs.

chess, draughts, heterodox chess...

Pieces on black squares are available with the AALT feature; so are the empty squares (AALT of □■)



Character Repertoire

Basic Multilingual Plane

! ″ # $ % & ′ ( ) * + , - . / 0 1 2 3 4 5 6 7 8 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 [\ ] ^ _ ` 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 « ¬ ® ¯ ° ± ² ³ ´ µ ¶ • ¸ ¹ º » ¼ ½ ¾ ¿ À Á Â Ã Ä Å Æ Ç È É
Ê Ë Ì Í Î Ï Ð Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã ä å æ ç è é ê ë ì í î ï ð ñ ò ó ô õ
ö ÷ ø ù ú û ü ý þ ÿ Ā ā Ă ă Ą ą Ć ć Ĉ ĉ Ċ ċ Č č Ď ď Đ đ Ē ē Ĕ ĕ Ė ė Ę ę Ě ě Ĝ ĝ Ğ ğ
Ġ ġ Ģ ģ Ĥ ĥ Ħ ħ Ĩ ĩ Ī ī Ĭ ĭ Į į İ ı Ĳ ĳ Ĵ ĵ Ķ ķ ĸ Ĺ ĺ Ļ ļ Ľ ľ Ŀ ŀ Ł ł Ń ń Ņ ņ Ň ň ʼn Ŋ ŋ Ō ō
Ŏ ŏ Ő ő Œ œ Ŕ ŕ Ŗ ŗ Ř ř Ś ś Ŝ ŝ Ş ş Š š Ţ ţ Ť ť Ŧ ŧ Ũ ũ Ū ū Ŭ ŭ Ů ů Ű ű Ų ų Ŵ ŵ Ŷ ŷ
Ÿ Ź ź Ż ż Ž ž ſ ƀ Ɓ Ƃ ƃ Ƅ ƅ Ɔ Ƈ ƈ Ɖ Ɗ Ƌ ƌ ƍ Ǝ Ə Ɛ Ƒ ƒ Ɠ Ɣ ƕ Ɩ Ɨ Ƙ ƙ ƚ ƛ Ɯ Ɲ ƞ Ɵ Ơ
ơ Ƣ ƣ Ƥ ƥ Ʀ Ƨ ƨ Ʃ ƪ ƫ Ƭ ƭ Ʈ Ư ư Ʊ Ʋ Ƴ ƴ Ƶ ƶ Ʒ Ƹ ƹ ƺ ƻ Ƽ ƽ ƾ ƿ ǀ ǁ ǂ ǃ DŽ Dž dž LJ Lj lj
NJ Nj nj Ǎ ǎ Ǐ ǐ Ǒ ǒ Ǔ ǔ Ǖ ǖ Ǘ ǘ Ǚ ǚ Ǜ ǜ ǝ Ǟ ǟ Ǡ ǡ Ǣ ǣ Ǥ ǥ Ǧ ǧ Ǩ ǩ Ǫ ǫ Ǭ ǭ Ǯ ǯ ǰ DZ
Dz dz Ǵ ǵ Ƕ Ƿ Ǹ ǹ Ǻ ǻ Ǽ ǽ Ǿ ǿ Ȁ ȁ Ȃ ȃ Ȅ ȅ Ȇ ȇ Ȉ ȉ Ȋ ȋ Ȍ ȍ Ȏ ȏ Ȑ ȑ Ȓ ȓ Ș ș Ț ț
Ȝ ȝ Ȟ ȟ Ƞ ȡ Ȣ ȣ Ȥ ȥ Ȧ ȧ Ȩ ȩ Ȫ ȫ Ȭ ȭ Ȯ ȯ Ȱ ȱ Ȳ ȳ ȴ ȵ ȶ ȷ ȸ ȹ Ⱥ Ȼ ȼ Ƚ Ⱦ ȿ ɀ Ɂ ɂ Ƀ Ʉ Ʌ
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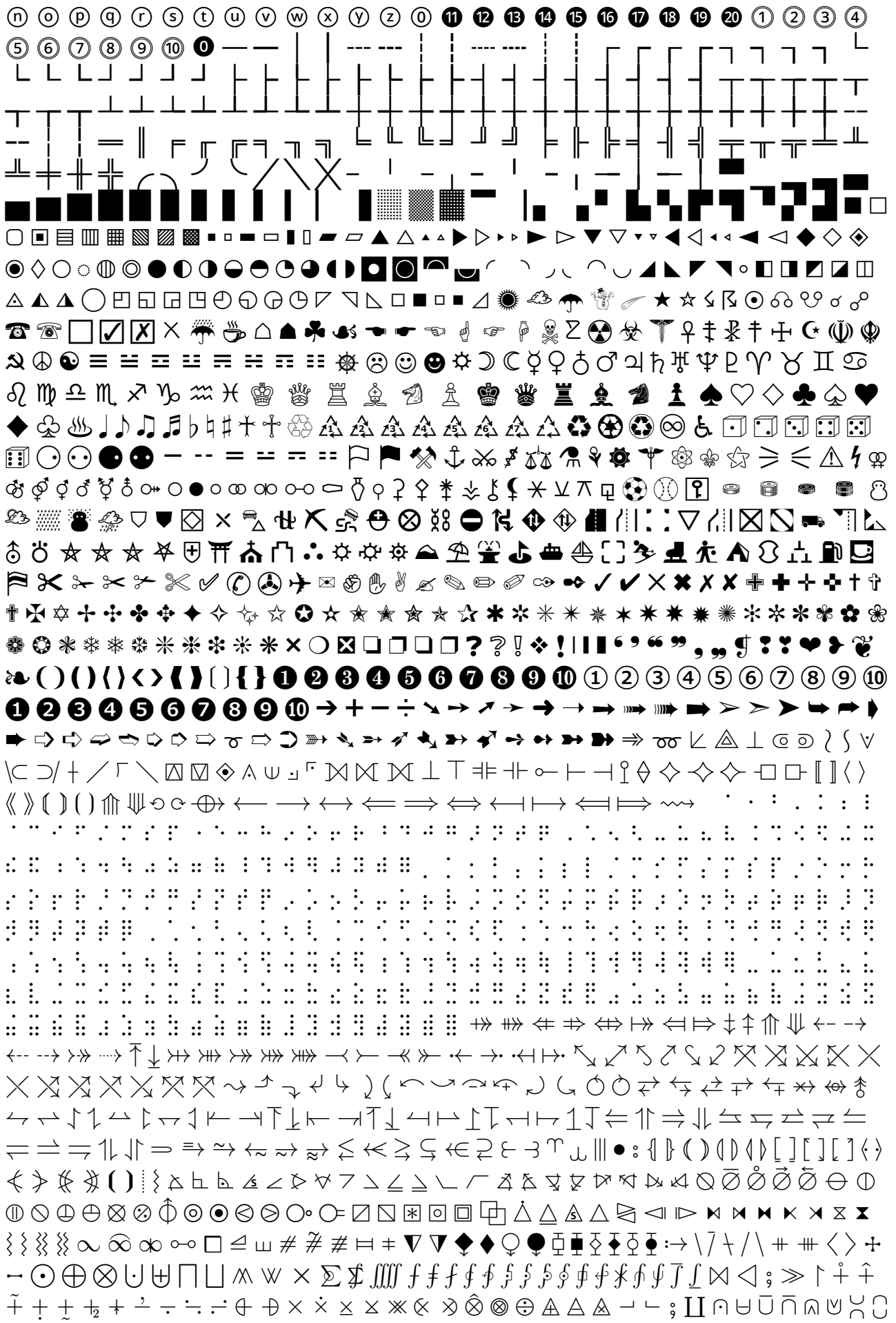
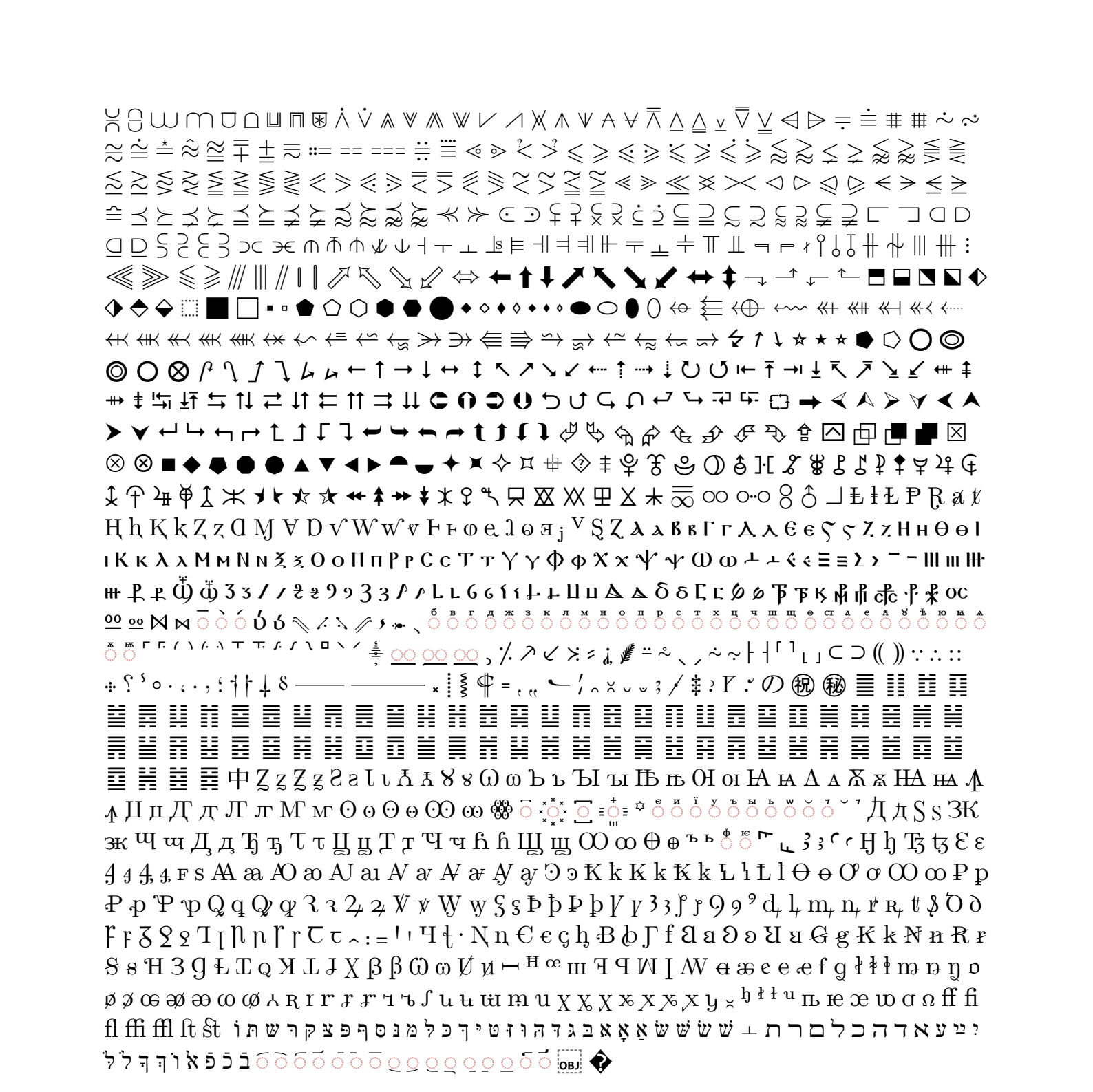
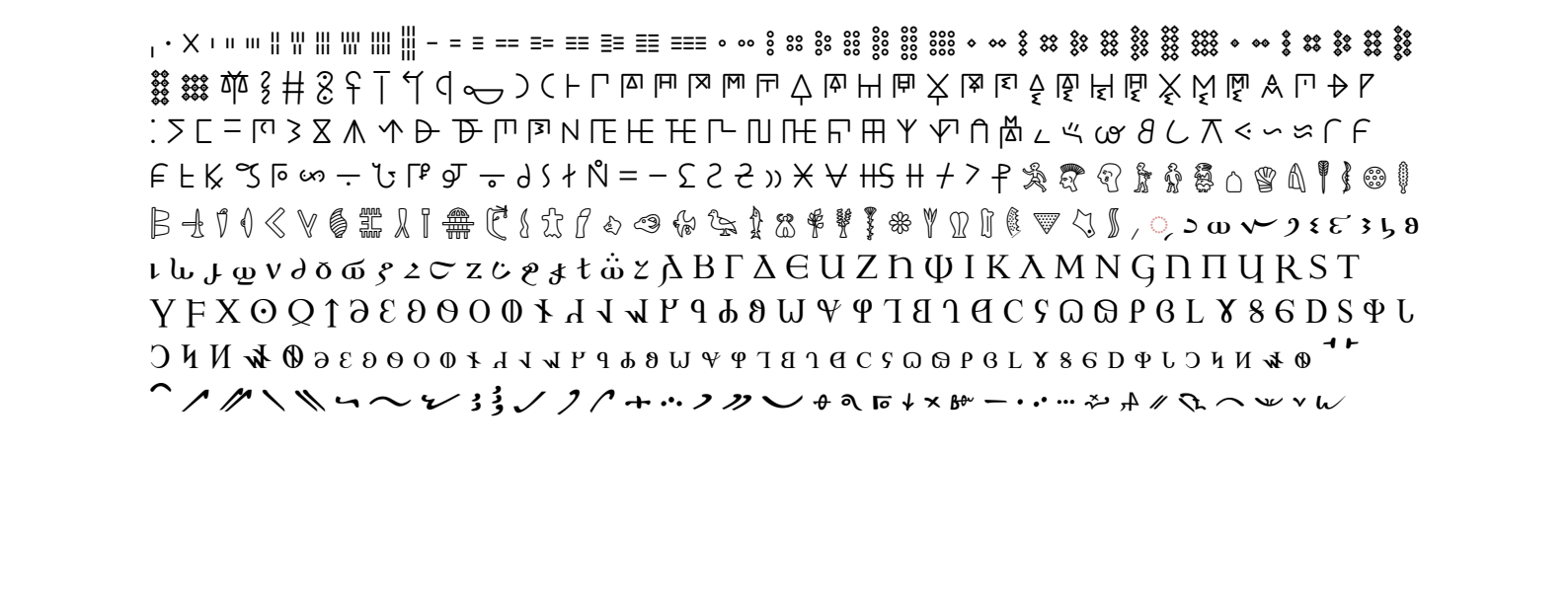
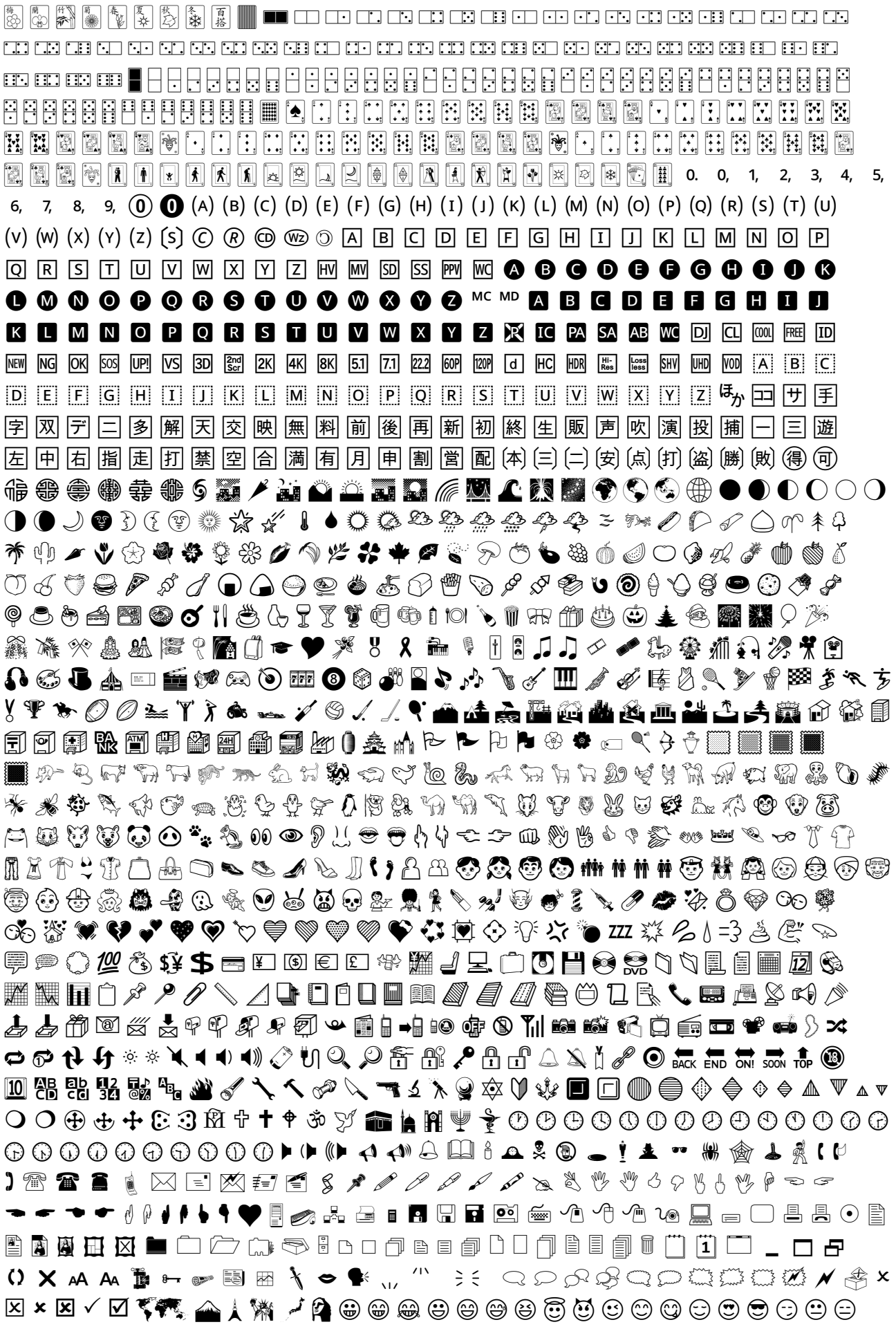
ɴ ɵ ɶ ɷ ɸ ɹ ɺ ɻ ɼ ɽ ɾ ɿ ʀ ʁ ʂ ʃ ʄ ʅ ʆ ʇ ʈ ʉ ʊ ʋ ʌ ʍ ʎ ʏ ʐ ʑ ʒ ʓ ʔ ʕ ʖ ʗ ʘ ʙ ʚ ʛ ʜ ʝ ʞ ʟ ʠ ʡ ʢ ʣ ʤ ʥ ʦ ʧ ʨ ʩ ʪ ʫ ʬ ʭ ʮ ʯ
ʹ ʺ ʻ ʼ ʽ ʾ ʿ ˀ ˁ ˂ ˃ ˄ ˅ ˆ ˇ ˈ ˉ ˊ ˋ ˌ ˍ ˎ ˏ ː ˑ ˒ ˓ ˔ ˕ ˖ ˗ ˘ ˙ ˚ ˛ ˜ ˝ ˞ ˟ ˠ ˡ ˢ ˣ ˤ ˥ ˦ ˧ ˨ ˩ ˪ ˫ ˬ ˭ ˮ ˯ ˰ ˱ ˲ ˳ ˴ ˵ ˶ ˷ ˸ ˹ ˺ ˻ ˼ ˽ ˾ ˿
̀ ́ ̂ ̃ ̄ ̅ ̆ ̇ ̈ ̉ ̊ ̋ ̌ ̍ ̎ ̏ ̐ ̑ ̒ ̓ ̔ ̕ ̖ ̗ ̘ ̙ ̚ ̛ ̜ ̝ ̞ ̟ ̠ ̡ ̢ ̣ ̤ ̥ ̦ ̧ ̨ ̩ ̪ ̫ ̬ ̭ ̮ ̯ ̰ ̱ ̲ ̳ ̴ ̵ ̶ ̷ ̸ ̹ ̺ ̻ ̼ ̽ ̾ ̿
̀ ́ ͂ ̓ ̈́ ͅ ͆ ͇ ͈ ͉ ͊ ͋ ͌ ͍ ͎ ͏ ͐ ͑ ͒ ͓ ͔ ͕ ͖ ͗ ͘ ͙ ͚ ͛ ͜ ͝ ͞ ͟ ͠ ͡ ͢ ͣ ͤ ͥ ͦ ͧ ͨ ͩ ͪ ͫ ͬ ͭ ͮ ͯ
ͰͱͲͳ ʹ ͵ Ͷ ͷ ͸ ͹ ͺ ͻ ͼ ͽ ; Ϳ ΄ ΅ Ά · Έ Ή Ί Ό Ύ Ώ ΐ Α Β Γ Δ Ε Ζ Η Θ Ι Κ Λ Μ Ν Ξ
Ο Π Ρ Σ Τ Υ Φ Χ Ψ Ω Ϊ Ϋ ά έ ή ί ΰ α β γ δ ε ζ η θ ι κ λ μ ν ξ ο π ρ ς σ τ υ φ χ ψ ω ϊ ϋ ό
ύ ώ Ϗ ϐ ϑ ϒ ϓ ϔ ϕ ϖ ϗ Ϙ ϙ Ϛ ϛ Ϝ ϝ Ϟ ϟ Ϡ ϡ Ϣ ϣ Ϥ ϥ Ϧ ϧ Ϩ ϩ Ϫ ϫ Ϭ ϭ Ϯ ϯ ϰ ϱ ϲ ϳ ϴ ϵ ϶ Ϸ ϸ Ϲ Ϻ ϻ ϼ Ͻ Ͼ Ͽ
ЀЁЂЃЄЅІЇЈЉЊЋЌЍЎЏАБВГДЕЖЗИЙКЛМ
НОПРСТУФХЦЧШЩЪЫЬЭЮЯабвгдежзийклмнопрсту
фхцчшщъыьэюяѐёђѓєѕіїјљњћќѝўџѠѡѢѣѤѥѦѧѨѩѪѫѬѭѮѯѰѱѲѳѴѵѶѷѸѹѺѻѼѽѾѿ
Ҁҁ҂҃҄҅҆҇ҊҋҌҍҎҏҐґҒғҔҕҖҗҘҙҚқҜҝҞҟҠҡҢңҤҥҦҧҨҩҪҫҬҭҮүҰұҲҳҴҵҶҷҸҹҺһҼҽҾҿ
ӀӁӂӃӄӅӆӇӈӉӊӋӌӍӎӏӐӑӒӓӔӕӖӗӘәӚӛӜӝӞӟӠӡӢӣӤӥӦӧӨөӪӫӬӭӮӯӰӱӲӳӴӵӶӷӸӹӺӻӼӽӾӿ
ԀԁԂԃԄԅԆԇԈԉԊԋԌԍԎԏԐԑԒԓԔԕԖԗԘԙԚԛԜԝԞԟԠԡԢԣԤԥԦԧԨԩԪԫԬԭԮԯ
԰ԱԲԳԴԵԶԷԸԹԺԻԼԽԾԿՀՁՂՃՄՅՆՇՈՉՊՋՌՍՎՏՐՑՒՓՔՕՖ՗՘ՙ՚՛՜՝՞՟
ՠաբգդեզէըթժիլխծկհձղճմյնշոչպջռսվտրցւփքօֆև։֊֋֌֍֎֏
ְְֱֱֲֲֳֳִִֵֵֶֶַַָָֹֺֹֺֻֻּּֽֽ֑֖֛֢֣֤֥֦֧֪֑֖֛֢֣֤֥֦֧֪֚֭֚֭֮֮֒֓֔֕֗֘֙֜֝֞֟֠֡֨֩֫֬֯֒֓֔֕֗֘֙֜֝֞֟֠֡֨֩֫֬֯

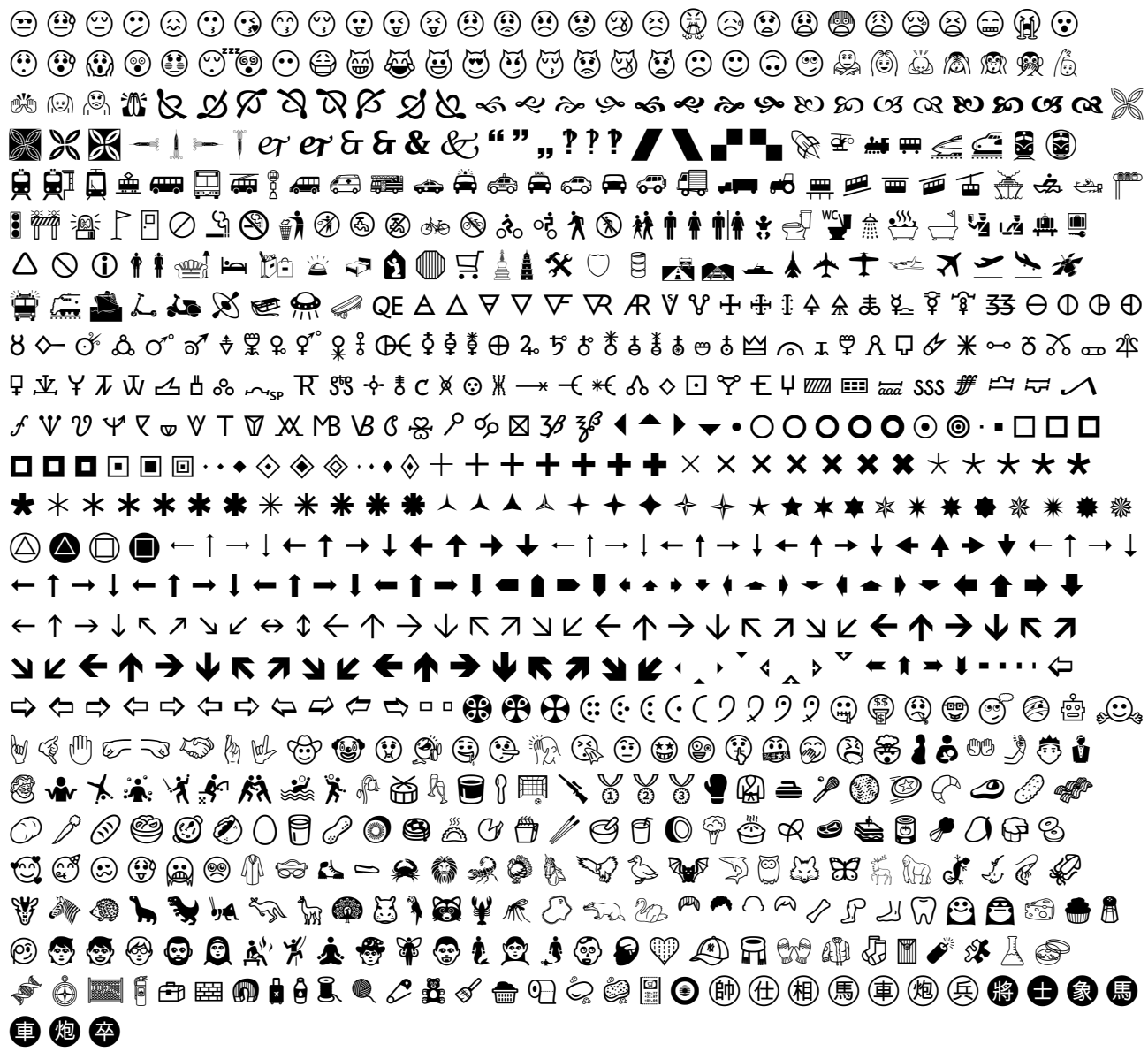




Supplementary Multilingual Plane







Additions in Unicode 12

The following characters are available as italics with the OpenType feature ital:

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 0 1 2 3 4 5 6 7 8 9
Æ Ð Ø Þ ß æ ð ø þ Đ đ Ħ ħ Ŋ ŋ ĸ Ľ ľ Ł ł Ŋ ŋ Œ œ Ŧ ŧ ſ Ǝ ə Ɛ Ơ ơ Ư ư Ʒ ǝ Ȝ ȝ Ȣ ȣ ffi ffl ff fi fl ſt ſt tti tt ti ft fj ffj tf 1 2 3 4 5 6 7 8 9 0
Ά Έ Ή Ί Ό Ύ Ώ ΐ Α Β Γ Δ Ε Ζ Η Θ Ι Κ Λ Μ Ν Ξ Ο Π Ρ Σ Τ Υ Φ Χ Ψ Ω Ϊ Ϋ ά έ ή ί ΰ α β γ δ ε ζ η θ ι κ λ μ ν ξ ο π ρ ς σ τ υ φ χ ψ ω ϊ ϋ ό ύ ώ ϐ ϑ ϕ ϖ F ϰ ϱ ϴ ϵ ϶ ∂ ∇
А Б В Г Д Е Ж З И Й К Л М Н О П Р С Т У Ф Х Ц Ч Ш Щ Ъ Ы Ь Э Ю Я а б в г д е ж з и й к л м н о п р с т у ф х ц ч ш щ ъ ы ь э ю я