Pennstander Math Characters
Thin, Regular, Bold

Upright Latin and Greek upper and lower case

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩϴ

αβγδεζηθικλμνξοπρςστυφχψωϑϕϵ

1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩϴ

αβγδεζηθικλμνξοπρςστυφχψωϑϕϵ

1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩϴ

αβγδεζηθικλμνξοπρςστυφχψωϑϕϵ

1234567890

Italic/Oblique Latin and Greek upper and lower case

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩϴ

αβγδεζηθικλμνξοπρςστυφχψωϑϕϵ

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΘ

αβγδεζηθικλμνξοπρςστυφχψωθφϵ

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΘ

αβγδεζηθικλμνξοπρςστυφχψωθφϵ

Double Struck upper case and numerals

ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890

Script upper case

ABCDEFGHIJKLMNOPQRSTUVWXYZ

ABCDEFGHIJKLMNOPQRSTUVWXYZ

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Fraktur-like upper and lower case

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

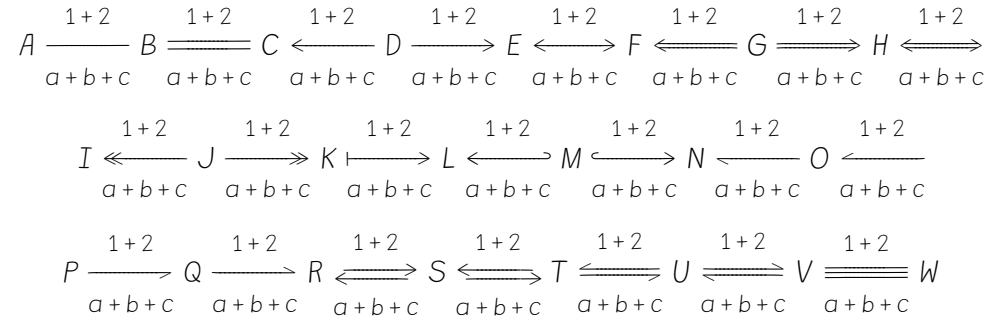
𝔄𝔅ℭ𝔇𝔈𝔉𝔊ℌℑ𝔎𝔏𝔐𝔑𝔒𝔓𝔔ℜ𝔖𝔗𝔘𝔙𝔚𝔛𝔜ℨ

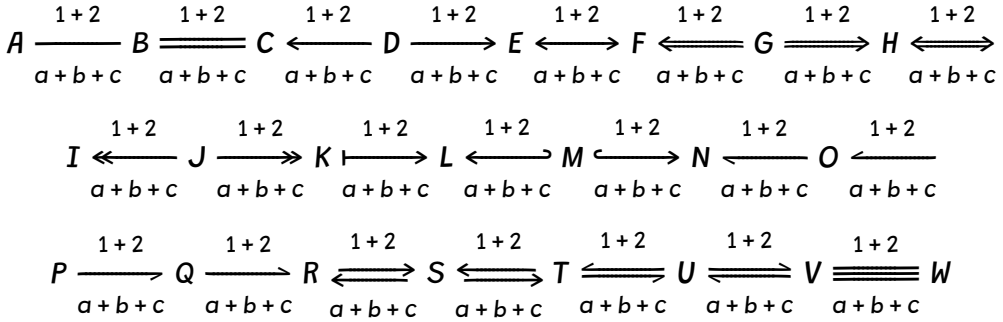
𝔞𝔟𝔠𝔡𝔢𝔣𝔤𝔥𝔦𝔧𝔨𝔩𝔪𝔫𝔬𝔭𝔮𝔯𝔰𝔱𝔲𝔳𝔴𝔵𝔶𝔷

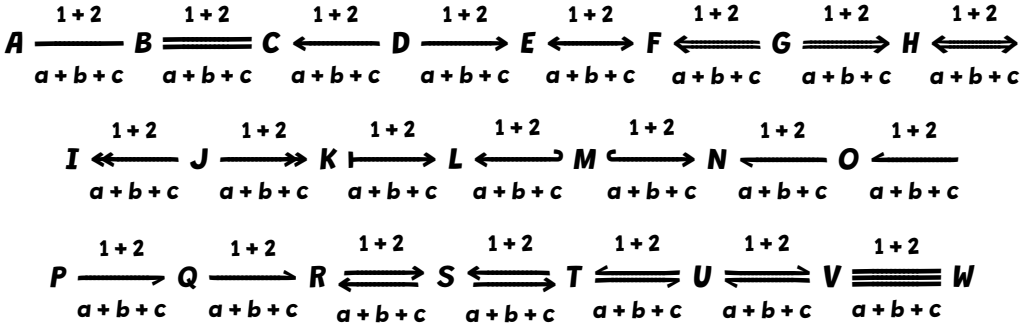
𝕬𝕭𝕮𝕯𝕰𝕱𝕲𝕳𝕴𝕵𝕶𝕷𝕸𝕹𝕺𝕻𝕼𝕽𝕾𝕿𝖀𝖁𝖂𝖃𝖄𝖅

𝖆𝖇𝖈𝖉𝖊𝖋𝖌𝖍𝖎𝖏𝖐𝖑𝖒𝖓𝖔𝖕𝖖𝖗𝖘𝖙𝖚𝖛𝖜𝖝𝖞𝖟

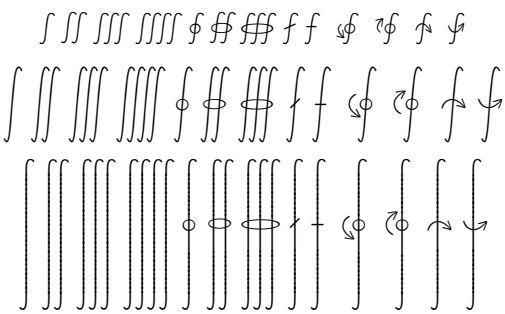
Arrows

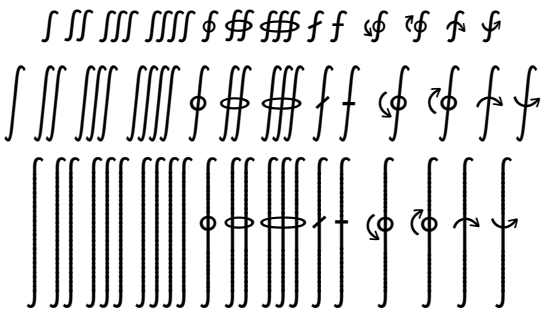


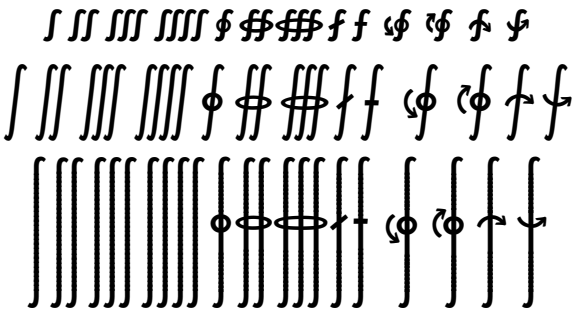




Integrals







Radicals

$$\sqrt[2]{1+X+y}$$

$$\sqrt[1/3]{\overline{\frac{a+b}{c+d}}}$$

$$\sqrt[2]{1+x+y}$$

$$\sqrt[1/3]{\frac{a+b}{c+d}}$$

$$\boldsymbol{\sqrt[2]{1+x+y}}$$

$$\boldsymbol{\sqrt[1/3]{\frac{a+b}{c+d}}}$$

Symbols

◊ ⋓ □ ≊ ⫴ ∠ ⦼ ≐ ≒ ≆ ⊢ ∗ ⊛ ≃ ⦶ ∵ ≬ ⋈ ⊙ · ⦺ ⊖ ⊗ ≔ ∁

≌ ∍ ⊳ ⊵ ≘ ∛ ⋏ ⋎ ⊝ ≜ ⋄ ∣ ∕ ⋇ ∌ ⋫ ⋭ ∤ ⊮ ≸ ∦ ≹ ∙ ∸ ∔ ∷ =

⫪ ⋒ ⋐ ⋑ ⋓ ⊫ ⋱ ∈ ⋮ □ ⊜ ≕ ≝ ⋝ ⋜ ⋞ ⋟ ≚ ≡ ≍ ≙ ∹ ∃ ⊩ ∜ ∅

÷ ∺ ∍ ∇ ⧁ ⪊ ⪆ ⩾ ⋛ ≳ ≷ ≧ ≩ ⋧ ⋗ ┼ ⊷ ≓ ⊤ ∾ ⋉ ⋋ ⧀ ⪉ ⪅

⩽ ⪋ ≲ ⋚ ≦ ≨ ⋦ ⋖ ⌜ ≫ ≪ ∡ ≞ ⋯ ⊖ ∓ ≂ ⊧ ⊗ ⊌ ⊍ ⊎

⊯ ⊈ ⊉ ≵ ≴ ≹ ⊼ ⊲ ⊴ ≉ ∉ ⋠ ⊁

≱ ⪈ ≢ ≮ ≰ ⋪ ⋬ ∦ ≮ ≁ ⊈ ⊉ ⊄ ⊁ ⊅ ⊭ + − × ÷ = ≠ > < ≥

≤ ± ≈ ∼ ¬ ∅ ∞ ∧ ∨ ∩ ∪ √ µ ⊙ ⊶ ∟ ∥ ⦷ % ‰ ⊥ ⦹

⋔ ⊕ ≺ ⪹ ⋞ ≾ ⪷ ∷ ∝ ≟ ∶ ⊆ ⊇ ⦸ ⌢ ≌ ⋊ ⋌ ⊦ ⊿ ≗ ≖ ∘ ⊚ ∖

⫟ ⫞ ⫠ ⧢ ∼ ∾ ⋟ ⋞ ⋪ ⊓ ⊔ ⧆ ⧅ ⧄ ⧈ ⊡ ⊡ ⊟ ⊞ ⊠ ⊏ ⊑ ⋤ ⊐ ⊒ ⋥

≛ ★ ≣ ⊂ ⊊ ≻ ⪺ ⋡ ⋩ ⪸ ⊃ ∇ ⊋ ⊤ ⊣ ∄ ∴ ≡ ≡ ≡ ⊪ ⊧ = = ∀ ⋰ ⊥ × ⋙ ⋘ ⊚ ≀ ∇ ⊻ ⊼

⨀ ⨁ ⨂ ⨅ ⨆ ⨉ ⨃ ⨄ ⋂ ⋀ ⋁ ⋃ ∑ ⅀ ∏ ⨊ ∐ ⊤ ⊥

⨀ ⨁ ⨂ ⨅ ⨆ ⨉ ⨃ ⨄ ⋂ ⋀ ⋁ ⋃ ∑ ⅀ ∏ ⨊ ∐ ⊤ ⊥

◊ ⋓ □ ≊ ⫴ ∠ ⦼ ≐ ≒ ≆ ⊢ ∗ ⊛ ≃ ⦶ ∵ ≬ ⋈ ⊙ · ⦺ ⊖ ⊗ ≔ ∁

≌ ∍ ⊳ ⊵ ≘ ∛ ⋏ ⋎ ⊝ ≜ ⋄ ∣ ∕ ⋇ ∌ ⋫ ⋭ ∤ ⊮ ≸ ∦ ≹ ∙ ∸ ∔ ∷ =

⫪ ⋒ ⋐ ⋑ ⋓ ⊫ ⋱ ∈ ⋮ □ ⊜ ≕ ≝ ⋝ ⋜ ⋞ ⋟ ≚ ≡ ≍ ≙ ∹ ∃ ⊩ ∜ ∅

≑ ∺ ∍ ∇ ⧁ ⪊ ⪈ ⩾ ⋛ ≳ ≷ ≧ ≩ ⋧ ⋗ ⟊ ⊶ ≓ ⊤ ≀ ⋉ ⋏ ⧀ ⪉ ⪇

⩽ ⋚ ≲ ⋚ ≦ ≨ ⋦ ⋖ ⌞ ≫ ≪ ∡ ≞ ⋯ ⊖ ∓ ≂ ⊧ ⊗ ⊌ ⊍ ⊎

⋕ ⊄ ⊅ ≵ ≴ ⋠ ⊼ ⊲ ⊴ ≉ ∉ ⋇ ⊁

≱ ≹ ≢ ≮ ≰ ⋪ ⋬ ∦ ⊀ ⊀ ⊈ ⊉ ⊄ ⊁ ⊅ ⋕ + − × ÷ = ≠ > < ≥

≤ ± ≈ ~ ¬ ∅ ∞ ∧ ∨ ∩ ∪ √ µ ⊙ ⊷ ⌞ ‖ ⦶ % ‰ ⊥ ⦹

⋔ ⊕ ⋖ ⪇ ⋞ ⪍ ⪝ ∷ ∝ ≟ ∶ ⊆ ⊇ ⃠ ⌢ ≏ ⋊ ⋏ ⊢ ⊿ ≗ ≖ ∘ ⊚ ∖

⊤ ⊣ ⊥ ⧢ ∼ ∾ ⋟ ⋞ ⦤ ⊓ ⊔ ⊛ ⧅ ⧄ ⧇ ⧈ ⊡ ⊟ ⊞ ⊠ ⊏ ⊑ ⋤ ⊐ ⊒ ⋥

≛ ⋆ ≣ ⊂ ⊊ ≻ ⋩ ⪸ ⋩ ≿ ⊃ ∇ ⊋ ⊤ ⊣ ∄ ∴ ≡≡ ⊪ ⊨ == ∀ ⋰ ⊥ × ⋙ ⋘ ⊚ ≀ ∇ ⊻ ⊼

⊙ ⊕ ⊗ ⊓ ⊔ × ⊍ ⊎ ∩ ∧ ∨ ∪ ∑ ∑ ∏ ⨊ ∐ ⊤ ⊥

⨀ ⨁ ⨂ ⨅ ⨆ ⨉ ⨃ ⨄ ⋂ ⋀ ⋁ ⋃ ∑ ∑ ∏ ⨊ ∐ ⊤ ⊥

◊ ℧ □ ≌ ⫴ ∠ ⊘ ≐ ≒ ≇ ⊦ ∗ ⊛ ≃ ⦶ ∵ ≬ ⋈ ⊙ · ⊖ ⊖ ⊗ ≔ ∁

≊ ∋ ⊳ ⊵ ≙ ∛ ∧ ∨ ⊝ ≜ ◇ ∣ ∕ ⁂ ∌ ⋫ ⋭ ∤ ⊮ ≸ ⊯ ≹ ∸ ∔ ∷ ∺

⫪ ⋒ ⋐ ⋑ ⋓ ⊩ ⋱ ∈ ⍰ ⊜ ≕ ≝ ⋝ ⋜ ⋞ ⋟ ≚ ≡ ≍ ≙ ∹ ∃ ⊩ ∜ ⌀

≑ ∺ ∍ ∇ ⧁ ⪊ ⪈ ⩾ ⋛ ≳ ≷ ≧ ≩ ⋧ ⋗ ⟊ ⊶ ≓ ⊤ ≀ ⋉ ⋏ ⧀ ⪉ ⪇

⩽ ⋚ ≲ ⋚ ≦ ≨ ⋦ ⋖ ⌞ ≫ ≪ ∡ ≞ ⋯ ⊖ ∓ ≂ ⊧ ⊗ ⊌ ⊍ ⊎

⋕ ⊄ ⊅ ≵ ≴ ⋠ ⊼ ⊲ ⊴ ≉ ∉ ⋇ ⊁

≱ ≹ ≢ ≮ ≰ ⋪ ⋬ ∦ ⊀ ⊀ ⊈ ⊉ ⊄ ⊁ ⊅ ⋕ + − × ÷ = ≠ > < ≥

≤ ± ≈ ~ ¬ ∅ ∞ ∧ ∨ ∩ ∪ √ µ ⊙ ⊷ ⌞ ‖ ⦶ % ‰ ⊥ ⦹

⋔ ⊕ ⋖ ⪇ ⋞ ⪍ ⪝ ∷ ∝ ≟ ∶ ⊆ ⊇ ⃠ ⌢ ≏ ⋊ ⋏ ⊢ ⊿ ≗ ≖ ∘ ⊚ ∖

⊤ ⊣ ⊥ ⧢ ∼ ∾ ⋟ ⋞ ⦤ ⊓ ⊔ ⊛ ⧅ ⧄ ⧇ ⧈ ⊡ ⊟ ⊞ ⊠ ⊏ ⊑ ⋤ ⊐ ⊒ ⋥

≛ ⋆ ≣ ⊂ ⊊ ≻ ⋩ ⪸ ⋩ ≿ ⊃ ∇ ⊋ ⊤ ⊣ ∄ ∴ ≡≡ ⊪ ⊨ == ∀ ⋰ ⊥ × ⋙ ⋘ ⊚ ≀ ∇ ⊻ ⊼

⊙ ⊕ ⊗ ⊓ ⊔ × ⊍ ⊎ ∩ ∧ ∨ ∪ ∑ ∑ ∏ ⨊ ∐ ⊤ ⊥

⨀ ⨁ ⨂ ⨅ ⨆ ⨉ ⨃ ⨄ ⋂ ⋀ ⋁ ⋃ ∑ ∑ ∏ ⨊ ∐ ⊤ ⊥

Accents and Stackers

$\grave{x}\ \tilde{x}\ \dot{x}\ \ddot{x}\ \dddot{x}\ \ddddot{x}\ \check{x}\ \acute{x}\ \bar{x}\ \breve{x}\ \mathring{x}$

$\overbrace{x+y}\ \overline{x+y}\ \overleftarrow{x+y}\ \overleftrightarrow{x+y}\ \underleftrightarrow{x+y}\ \underleftarrow{x+y}\ \underrightarrow{x+y}\ \widetilde{x+y}\ \overbrace{x+y}$

$\overbrace{x+y}\ \overbrace{x+y}\ \overbrace{x+y}\ \overline{x+y}$

$\underbrace{x+y}\ \underbrace{x+y}\ \underline{x+y}\ \underline{x+y}$

$\boldsymbol{\grave{x}\ \tilde{x}\ \dot{x}\ \ddot{x}\ \dddot{x}\ \ddddot{x}\ \check{x}\ \acute{x}\ \bar{x}\ \breve{x}\ \mathring{x}}$

$\boldsymbol{\overbrace{x+y}\ \overline{x+y}\ \overleftarrow{x+y}\ \overleftrightarrow{x+y}\ \underleftrightarrow{x+y}\ \underleftarrow{x+y}\ \underrightarrow{x+y}\ \widetilde{x+y}\ \overbrace{x+y}}$

$\boldsymbol{\overbrace{x+y}\ \overbrace{x+y}\ \overbrace{x+y}\ \overline{x+y}}$

$\boldsymbol{\underbrace{x+y}\ \underbrace{x+y}\ \underline{x+y}\ \underline{x+y}}$

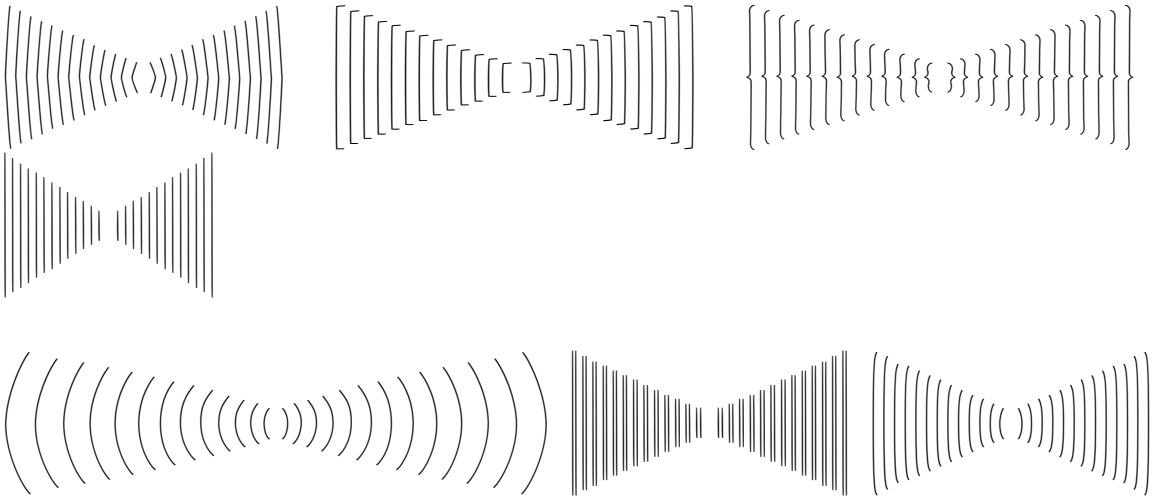
$\boldsymbol{\grave{x}\ \tilde{x}\ \dot{x}\ \ddot{x}\ \dddot{x}\ \ddddot{x}\ \check{x}\ \acute{x}\ \bar{x}\ \breve{x}\ \mathring{x}}$

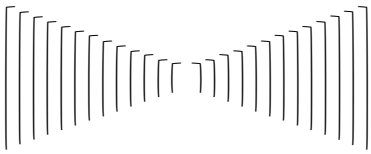
$\boldsymbol{\overbrace{x+y}\ \overline{x+y}\ \overleftarrow{x+y}\ \overleftrightarrow{x+y}\ \underleftrightarrow{x+y}\ \underleftarrow{x+y}\ \underrightarrow{x+y}\ \widetilde{x+y}\ \overbrace{x+y}}$

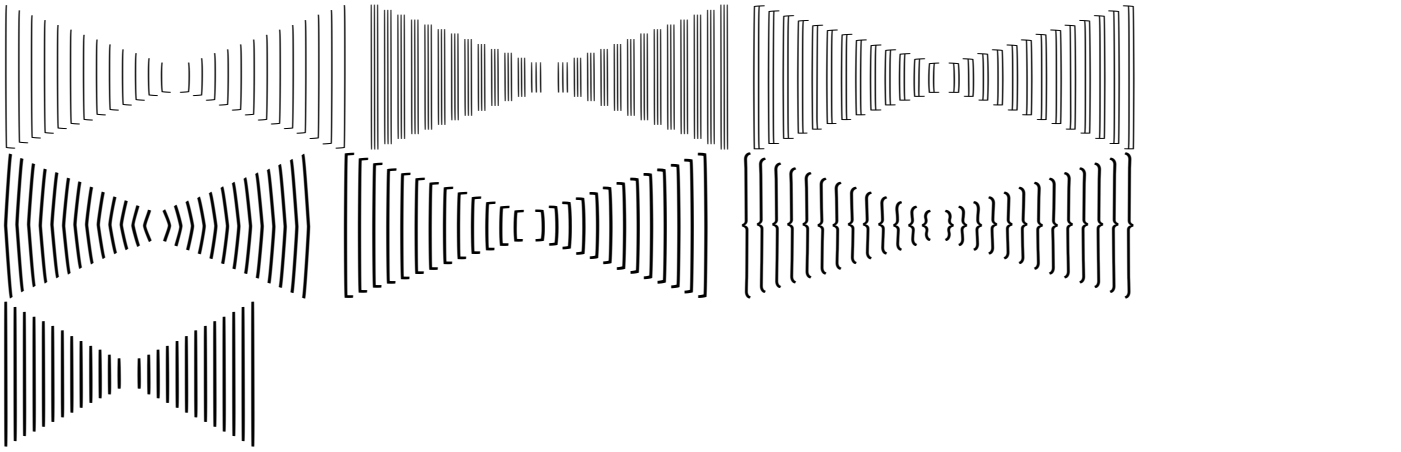
$\boldsymbol{\overbrace{x+y}\ \overbrace{x+y}\ \overbrace{x+y}\ \overline{x+y}}$

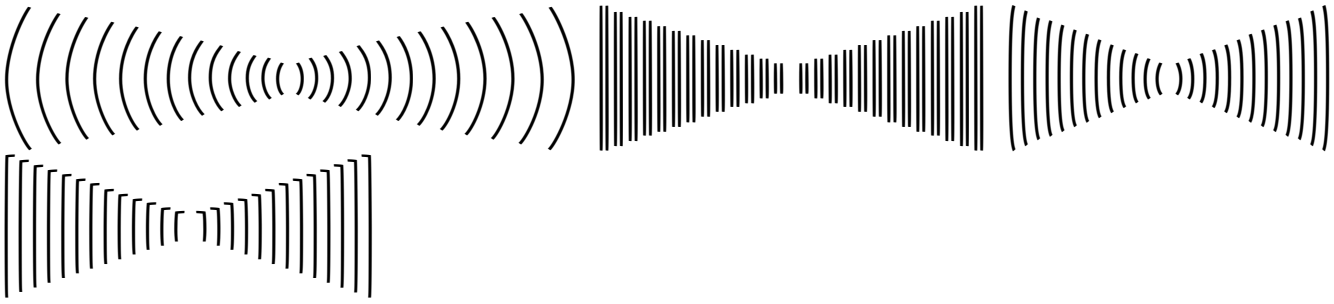
$\boldsymbol{\underbrace{x+y}\ \underbrace{x+y}\ \underline{x+y}\ \underline{x+y}}$

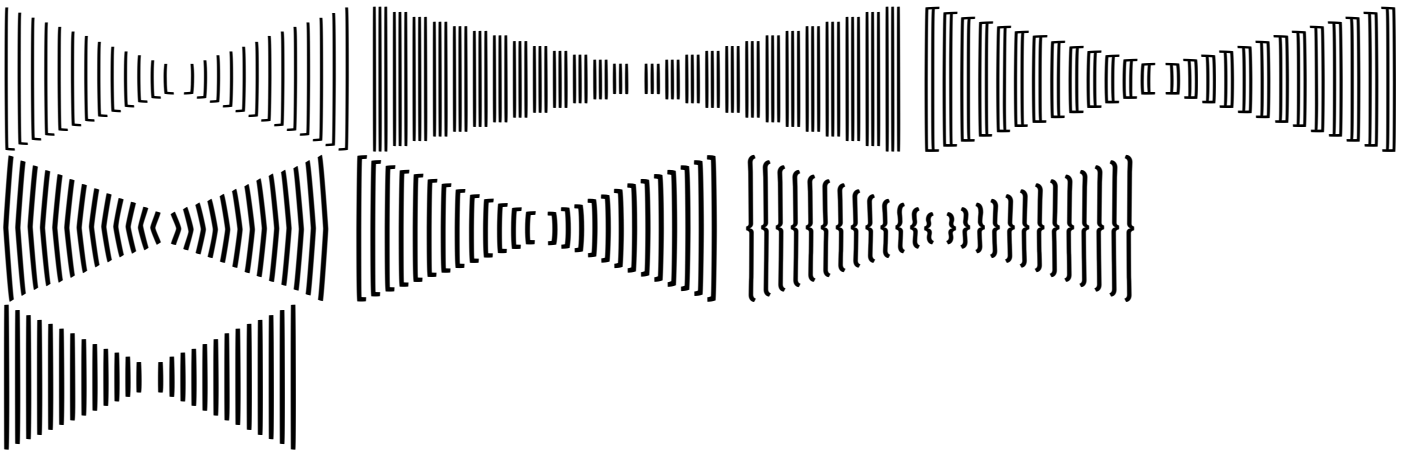
Brackets

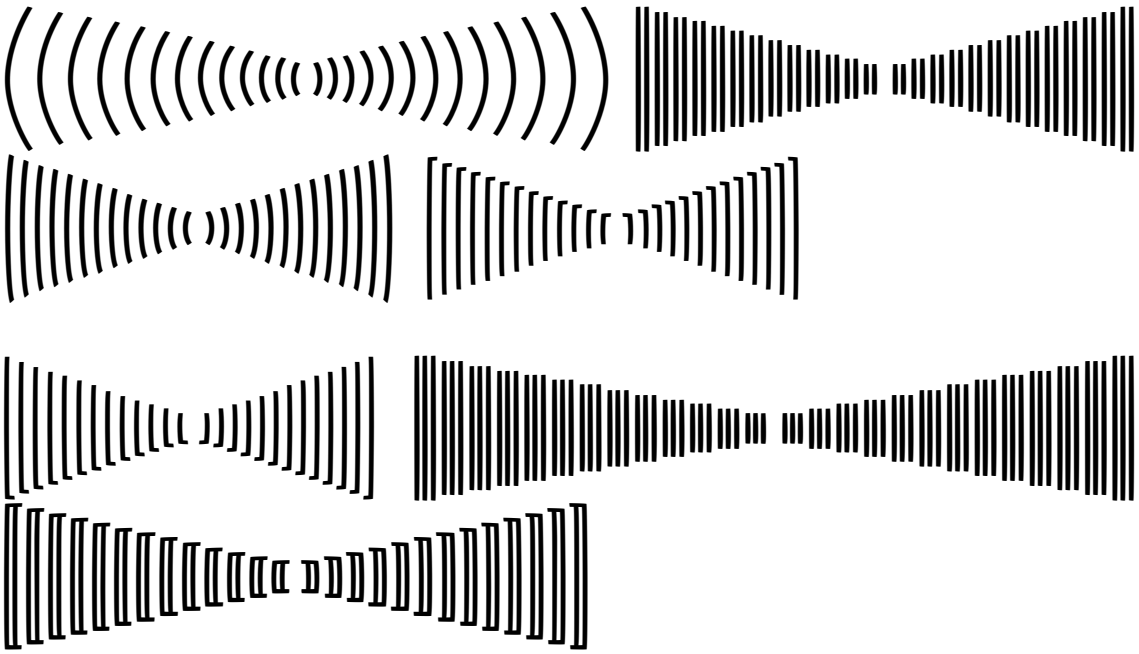












Stylistic Alternatives

ss01: a g l
ss02: A M N Q V W Z v z
ss03: 4
ss04: l t
ss05: A K L X Y Z x y
ss07: 7 7

ss01: a g l
ss02: A M N Q V W Z v z
ss03: 4
ss04: l t
ss05: A K L X Y Z x y
ss07: 7 7

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ss02: A M N Q V W Z v z
ss03: 4

ss04: l t

ss05: A K l X Y Z x y

ss07: 7 7

JR
2025