

Recursive (Beta v1.014, Aug 2019, 3da10a84)
Made by Arrow Type. Type design by Stephen Nixon,
with contributions from Katja Schimmel, Lisa
Huang, and Rafał Buchner, plus early guidance
from faculty and instructors for KABK TypeMedia
2018. Type mastering by Ben Kiel.

Book design by Math Practice.
Typeset with DrawBot by Stephen Nixon.

<https://recursive.design>

A highly customizable variable font for design, code, and UI.

Recursive is a versatile new variable font with five stylistic axes. These variation axes enable customizable control within five stylistic ranges: Proportion, Expression, Weight, Slant, and Italic. Carefully-planned named instances also allow selection within a set of predefined styles.

Recursive offers a range of personality, from a sturdy, rational Linear to a friendly, energetic Casual. It comes in two

subfamilies: Mono & Sans. Within these subfamilies, characters maintain the exact same width across all font styles. This allows for smooth stylistic transitions without affecting line length, enabling new levels of typographic flexibility & interactivity.

Flip the pages to see Recursive in motion!

Recursive has been sponsored by Google Fonts, through which it will soon be released. Recursive is available under the SIL Open Font License and can be freely used in or adapted for any project.

Google

PROP 0.00 *

XPRN 0.00 *

wght 900.00*

slnt 0.00 *

ital 1.00*

The image displays two large, bold, black letters from the Recursive Mono font. The letter 'T' is on the left, featuring a thick vertical stroke and a horizontal bar extending from its top right corner. The letter 'W' is on the right, composed of three thick vertical strokes meeting at a central point. Both letters have a clean, sans-serif appearance with sharp edges.

PROP	0.00	*
XPRN	0.00	*
wght	899.93*
slnt	-0.31	*
ital	1.00*



PROP	0.00	*
XPRN	0.00	*
wght	899.74*
slnt	-0.63	.*
ital	1.00*

The image displays two large, bold, black letters from the Recursive Mono font. The letter 'T' is on the left, featuring a thick vertical stem and a horizontal bar extending from its top right corner. The letter 'W' is on the right, composed of three thick vertical stems meeting at various points to form a wide, open shape.

PROP	0.00	*
XPRN	0.01	*
wght	899.41*
slnt	-0.95	..*
ital	1.00*

The image displays two large, bold, black letters, 'T' and 'W', from the Recursive Mono font. The letters are rendered in a minimalist, geometric style with thick, solid black outlines. The letter 'T' has a standard vertical stem and a horizontal crossbar. The letter 'W' is composed of three thick, rounded vertical strokes meeting at a central point. The entire graphic is set against a plain white background.

PROP	0.00	*
XPRN	0.01	*
wght	898.97*
slnt	-1.26	..*
ital	1.00*

Tw

PROP	0.00	*
XPRN	0.02	*
wght	898.40*
slnt	-1.58	...*
ital	1.00*

tw

PROP	0.00	*
XPRN	0.02	*
wght	897.71*
slnt	-1.89*
ital	1.00*

tw

PROP	0.00	*
XPRN	0.03	.*
wght	896.90*
slnt	-2.21*
ital	1.00*

tw

PROP	0.00	*
XPRN	0.04	.*
wght	895.98*
slnt	-2.53*
ital	1.00*

tmw

PROP	0.00	*
XPRN	0.05	.*
wght	894.95*
slnt	-2.84*
ital	1.00*

tmw

PROP	0.00	*
XPRN	0.06	..*
wght	893.82*
slnt	-3.16*
ital	1.00*

A large, bold, black monospace-style font displays the lowercase letters 'tmw'. The letters are thick and have a clean, sans-serif appearance. The 't' has a vertical stroke with a small horizontal cutout on the right side. The 'm' is a standard vertical bar with a crossbar. The 'w' is formed by two vertical bars and a central horizontal bar.

PROP	0.00	*
XPRN	0.08	..*
wght	892.58*
slnt	-3.47*
ital	1.00*

tmw

PROP	0.00	*
XPRN	0.09	..*
wght	891.23*
slnt	-3.79*
ital	1.00*

tmw

PROP	0.00	*
XPRN	0.10	...*
wght	889.79*
slnt	-4.10*
ital	1.00*

tmw

PROP	0.00	*
XPRN	0.12	...*
wght	888.25*
slnt	-4.42*
ital	1.00*

TMW

PROP	0.00	*
XPRN	0.13*
wght	886.62*
slnt	-4.74*
ital	1.00*

tw

PROP	0.00	*
XPRN	0.15*
wght	884.89*
slnt	-5.05*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.17*
wght	883.08*
slnt	-5.37*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.19*
wght	881.18*
slnt	-5.68*
ital	1.00*

A large, bold, black monospace-style font displays the letters 'tw'. The letters are thick and have a slight italicized slant to the right. The 't' has a long vertical stroke and a short horizontal stroke at the top. The 'w' is a wide, rounded character with a distinct 'tail' on the left side.

PROP	0.00	*
XPRN	0.21*
wght	879.20*
slnt	-6.00*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.23*
wght	877.14*
slnt	-6.31*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.25*
wght	875.00*
slnt	-6.63*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.27*
wght	872.79*
slnt	-6.95*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.30*
wght	870.51*
slnt	-7.26*
ital	1.00*

trw

PROP	0.00	*
XPRN	0.32*
wght	868.16*
slnt	-7.58*
ital	1.00*

tw

PROP	0.00	*
XPRN	0.34*
wght	865.74*
slnt	-7.89*
ital	1.00*

tw

PROP	0.00	*
XPRN	0.37*
wght	863.26*
slnt	-8.21*
ital	1.00*

tw

PROP	0.00	*
XPRN	0.39*
wght	860.72*
slnt	-8.53*
ital	1.00*

tw

PROP	0.00	*
XPRN	0.42*
wght	858.12*
slnt	-8.84*
ital	1.00*

trw

PROP	0.00	*
XPRN	0.45*
wght	855.47*
slnt	-9.16*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.47*
wght	852.76*
slnt	-9.47*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.50*
wght	850.01*
slnt	-9.79*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.53*
wght	847.21*
slnt	-10.10*
ital	1.00*

trw

PROP	0.00	*
XPRN	0.56*
wght	844.37*
slnt	-10.42*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.58*
wght	841.48*
slnt	-10.74*
ital	1.00*

trw

PROP	0.00	*
XPRN	0.61*
wght	838.56*
slnt	-11.05*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.64*
wght	835.61*
slnt	-11.37*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.67*
wght	832.62*
slnt	-11.68*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.70*
wght	829.60*
slnt	-12.00*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.73*
wght	826.56*
slnt	-12.31*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.76*
wght	823.49*
slnt	-12.63*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.80*
wght	820.40*
slnt	-12.95*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.83*
wght	817.29*
slnt	-13.26*
ital	1.00*

rw

PROP 0.00 *

XPRN 0.86*

wght 814.17*

slnt -13.58*

ital 1.00*

rw

PROP	0.00	*
XPRN	0.89*
wght	811.03*
slnt	-13.89*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.92*
wght	807.89*
slnt	-14.21*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.95*
wght	804.74*
slnt	-14.53*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.98*
wght	801.58*
slnt	-14.84*
ital	1.00*

rw

PROP	0.00	*
XPRN	0.98*
wght	792.11*
slnt	-14.84*
ital	0.00	*

A large, bold, black, italicized 'zw' character. The letters are thick and have a dynamic, slanted form, characteristic of the Arrow Type font.

PROP	0.00	*
XPRN	0.95*
wght	776.32*
slnt	-14.53*
ital	0.00	*



PROP	0.00	*
XPRN	0.92*
wght	760.56*
slnt	-14.21*
ital	0.00	*

A large, bold, italicized font rendering of the lowercase letters 'z' and 'w'. The letters have thick, rounded strokes and a dynamic, slanted orientation, characteristic of a bold italic typeface.

PROP	0.00	*
XPRN	0.89*
wght	744.84*
slnt	-13.89*
ital	0.00	*



PROP	0.00	*
XPRN	0.86*
wght	729.16*
slnt	-13.58*
ital	0.00	*



Recursive Mono

Arrow Type

PROP	0.00	*
XPRN	0.83*
wght	713.55*
slnt	-13.26*
ital	0.00	*

rw

PROP	0.00	*
XPRN	0.80*
wght	698.01*
slnt	-12.95*
ital	0.00	*



Recursive Mono

Arrow Type

PROP	0.00	*
XPRN	0.76*
wght	682.56*
slnt	-12.63*
ital	0.00	*

rw

PROP	0.00	*
XPRN	0.73*
wght	667.22*
slnt	-12.31*
ital	0.00	*

rw

```
PROP    0.00  *
XPRN    0.70  .....*....*
wght   652.00  .....*....*
slnt   -12.00  .....*....*
ital    0.00  *
```

rw

PROP	0.00	*
XPRN	0.67*
wght	636.91*
slnt	-11.68*
ital	0.00	*

rw

PROP	0.00	*
XPRN	0.64*
wght	621.97*
slnt	-11.37*
ital	0.00	*

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'I' with a thick, rounded vertical stroke and a horizontal bar extending from its top. To its right is a stylized letter 'W' with three thick, rounded vertical strokes meeting at a central point.

PROP	0.00	*
XPRN	0.61*
wght	607.19*
slnt	-11.05*
ital	0.00	*

rw

PROP	0.00	*
XPRN	0.58*
wght	592.58*
slnt	-10.74*
ital	0.00	*

YW

The image displays two large, bold, black letters 'Y' and 'W' against a white background. The letters have a unique, rounded, and slightly irregular font style. The 'Y' is positioned on the left and the 'W' on the right. Both letters are oriented vertically, though the 'W' has a slight diagonal slant.

PROP	0.00	*
XPRN	0.56*
wght	578.16*
slnt	-10.42*
ital	0.00	*

rw



PROP	0.00	*
XPRN	0.53*
wght	563.95*
slnt	-10.10*
ital	0.00	*

rw

PROP	0.00	*
XPRN	0.50*
wght	549.95*
slnt	-9.79*
ital	0.00	*

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top. To its right is a bold, italicized letter 'W' with thick, rounded strokes.

PROP	0.00	*
XPRN	0.47*
wght	536.19*
slnt	-9.47*
ital	0.00	*

Y W

PROP	0.00	*
XPRN	0.45*
wght	522.67*
slnt	-9.16*
ital	0.00	*

IW

The image displays two large, bold, black letters 'I' and 'W' against a white background. The letter 'I' is on the left, featuring a thick vertical stem with a flared top and a small crossbar. The letter 'W' is on the right, composed of three thick, curved strokes that meet at a single point on the right side.

PROP	0.00	*
XPRN	0.42*
wght	509.40*
slnt	-8.84*
ital	0.00	*

Y **W**

PROP	0.00	*
XPRN	0.39*
wght	496.41*
slnt	-8.53*
ital	0.00	*

rw



PROP	0.00	*
XPRN	0.37*
wght	483.71*
slnt	-8.21*
ital	0.00	*



PROP	0.00	*
XPRN	0.34*
wght	471.31*
slnt	-7.89*
ital	0.00	*



PROP	0.00	*
XPRN	0.32*
wght	459.22*
slnt	-7.58*
ital	0.00	*



PROP	0.00	*
XPRN	0.30*
wght	447.46*
slnt	-7.26*
ital	0.00	*

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'Y' with a thick, rounded vertical stroke and a horizontal bar extending to the right. On the right is a stylized letter 'W' with three thick, rounded vertical strokes meeting at a central point.

PROP	0.00	*
XPRN	0.27*
wght	436.05*
slnt	-6.95*
ital	0.00	*



PROP	0.00	*
XPRN	0.25*
wght	424.99*
slnt	-6.63*
ital	0.00	*

The image displays two large, bold, black letters from the Arrow Type font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a wide, open center.

```
PROP      0.00  *
XPRN      0.23  .......
wght     414.30  .......
slnt     -6.31  .......
ital      0.00  *
```

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a complex, wavy horizontal bar connecting them.

```
PROP      0.00  *
XPRN      0.21  .......
wght     404.00  ....*
slnt     -6.00  .......
ital      0.00  *
```

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'I' with a thick vertical stroke and a horizontal bar at the bottom. On the right is a stylized letter 'W' with three thick vertical strokes and a curved top. The letters have a minimalist, geometric design.

PROP	0.00	*
XPRN	0.19*
wght	394.10*
slnt	-5.68*
ital	0.00	*

Recursive Mono



PROP	0.00	*
XPRN	0.17*
wght	384.61*
slnt	-5.37*
ital	0.00	*

Recursive Mono



PROP	0.00	*
XPRN	0.15*
wght	375.54*
slnt	-5.05*
ital	0.00	*

Recursive Mono



PROP	0.00	*
XPRN	0.13*
wght	366.92	...*
slnt	-4.74*
ital	0.00	*



The image displays two large, bold, black letters against a white background. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a central horizontal bar connecting them.

PROP	0.00	*
XPRN	0.12	...*
wght	358.75	...*
slnt	-4.42*
ital	0.00	*



```
PROP      0.00  *
XPRN      0.10  ...*
wght     351.05  ..*
slnt     -4.10  .......
ital      0.00  *
```

The image displays two large, bold, black letters from the Arrow Type font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a central horizontal bar connecting them.

PROP	0.00	*
XPRN	0.09	..*
wght	343.84	..*
slnt	-3.79*
ital	0.00	*



PROP	0.00	*
XPRN	0.08	..*
wght	337.12	..*
slnt	-3.47*
ital	0.00	*

Recursive Mono



```
PROP      0.00  *
XPRN      0.06  ..*
wght     330.91  .*
slnt     -3.16  .......
ital      0.00  *
```



Recursive Mono

Arrow Type

```
PROP      0.00  *
XPRN      0.05  .*
wght     325.23  .*
slnt     -2.84  .....*
ital      0.00  *
```

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a central horizontal bar connecting them.

PROP	0.00	*
XPRN	0.04	.*
wght	320.08	.*
slnt	-2.53*
ital	0.00	*



PROP	0.00	*
XPRN	0.03	.*
wght	315.49	*
slnt	-2.21*
ital	0.00	*



Recursive Mono

Arrow Type

PROP 0.00 *

XPRN 0.02 *

wght 311.46 *

slnt -1.89*

ital 0.00 *

The image displays two large, bold, black letters against a white background. On the left is a tall, narrow letter 'I' with a thick vertical stroke and a horizontal bar at the bottom. On the right is a wide, blocky letter 'W' with three distinct vertical strokes meeting at a central point.

Recursive Mono

Arrow Type

```
PROP      0.00  *
XPRN      0.02  *
wght     308.02  *
slnt     -1.58  ...*
ital      0.00  *
```



Recursive Mono

Arrow Type

```
PROP      0.00  *
XPRN      0.01  *
wght     305.17  *
slnt     -1.26  ..*
ital      0.00  *
```

The image displays two large, bold, black letters from the Arrow Type font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a central horizontal bar connecting them.

```
PROP      0.00  *
XPRN      0.01  *
wght     302.93  *
slnt     -0.95  ..*
ital      0.00  *
```



Recursive Mono

Arrow Type

```
PROP      0.00  *
XPRN      0.00  *
wght     301.31  *
slnt     -0.63  .*
ital      0.00  *
```



Recursive Mono

Arrow Type

PROP 0.00 *
XPRN 0.00 *
wght 300.33 *
slnt -0.31 *
ital 0.00 *



Recursive Mono

Arrow Type

PROP 0.00 *

XPRN 0.00 *

wght 300.00 *

slnt 0.00 *

ital 0.00 *



Recursive Mono

Arrow Type

