INFINUM

The simple flexibility of variable fonts

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WHAT & WHY?

```css
@font-face {
  font-family: 'gt_haptik';
  src: url('gt-haptik-regular-webfont.eot');
  src: url('gt-haptik-regular-webfont.woff2') format('woff2'),
       url('gt-haptik-regular-webfont.woff') format('woff'),
       url('gt-haptik-regular-webfont.ttf') format('truetype');
  font-weight: normal;
  font-style: normal;
}
```

a a a a a a

100   200   400   600   700   900

gg gg gg

```css
@font-face {
  font-family: 'gt_haptik';
  src: url('gt-haptik-bold-webfont.eot');
  src: url('gt-haptik-bold-webfont.woff2') format('woff2'),
       url('gt-haptik-bold-webfont.woff') format('woff'),
       url('gt-haptik-bold-webfont.ttf') format('truetype');
  font-weight: bold;
  font-style: normal;
}

@font-face {
  font-family: 'gt_haptik';
  src: url('gt-haptik-regular-webfont.eot');
  src: url('gt-haptik-regular-webfont.woff2') format('woff2'),
       url('gt-haptik-regular-webfont.woff') format('woff'),
       url('gt-haptik-regular-webfont.ttf') format('truetype');
  font-weight: normal;
  font-style: normal;
}

@font-face {
  font-family: 'gt_haptik';
  src: url('gt-haptik-bold-italic.eot');
  src: url('gt-haptik-bold-italic.woff2') format('woff2'),
       url('gt-haptik-bold-italic.woff') format('woff'),
       url('gt-haptik-bold-italic.ttf') format('truetype');
  font-weight: normal;
  font-style: italic;
}
```

☐ gt-haptik-regular-webfont-e...	200	font	(index)	35.0 KB	21 ms	
☐ gt-haptik-bold-webfont-262...	200	font	(index)	36.7 KB	26 ms	
☐ TiemposTextWeb-Regular-1...	200	font	(index)	46.4 KB	25 ms	
☐ TiemposTextWeb-RegularIt...	200	font	(index)	69.7 KB	35 ms	

187,8 KB

VARIABLE FONTS

VARIABLE FONTS

- A collection of master styles

- import of 1 font file with all styles
- bigger span of different font styles
- more types of registered axes

```css
@font-face {
    font-family: 'AmstelvarAlpha';
    src: url('AmstelvarAlpha-VF.woff2') format('woff2-
variations');
}
```

BIGGER SPAN OF DIFFERENT STYLES

• Font-weight accepts any number between 1-999

• Font-style accepts any value between 'oblique -90deg' and 'oblique 90deg' (actually more appropriate for slant)

NEW AXES

- Weight (wght)
- Italics (ital)
- Width (wdth)
- Slant (slnt)
- Optical size (opsz)

FONT WIDTH

- Font-strech property

- Percentages (50% - 150%)

FONT-OPTICAL-SIZING

- different rendering dependent on size

- 'none' or 'auto'

- also accepts px value

FONT-OPTICAL-SIZING - DIDOT

96PT MASTER

6PT MASTER

FONT-SLANT

- Angle of font

- Only through font-variation-settings

```css
.variable-font-class {
  font-variation-settings: 'wdth' 300, 'slnt' 190;
}
```

```css
--text-width: 120;
--text-slant: 190;

.variable-font-class {
  font-variation-settings: 'wdth' var(--text-width),
'slnt' var(--text-slant);
}
```

CUSTOM AXES

No limits

```css
.variable-font-class {
  font-variation-settings: 'GRAD' 300;
}
```

IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Blackberry Browser	Opera Mobile *	Chrome for Android	Firefox for Android	IE Mobile	UC Browser for Android	Samsung Internet
		2-52													
		53-57	4-58												
		58-59	59-61		10-48										
		60	62-65		49-52										
	12-16	61	66	3.1-10.1	53	3.2-10.3									
6-10	17	62	67-69	11-11.1	54-55	11-11.4		2.1-4.4.4	7	12-12.1			10		4-6
11	18	63	70	12	56	12	all	67	10	46	70	63	11	11.8	7.2
		64-65	71-73	TP											

```css
body {
  font-family: 'non_variable_font.woff2';
}

@supports (font-variation-settings: normal) {
  body {
    font-family: 'variable_font.woff2';
  }
}
```

PLAYGROUND

- https://v-fonts.com/
- https://www.axis-praxis.org/
- https://docs.google.com/spreadsheets/d/1ycxOqpcPA9NmCWcNbmxiY-KHEh820MucI1eO6QkKLOE/htmlview#gid=0

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Thank you!