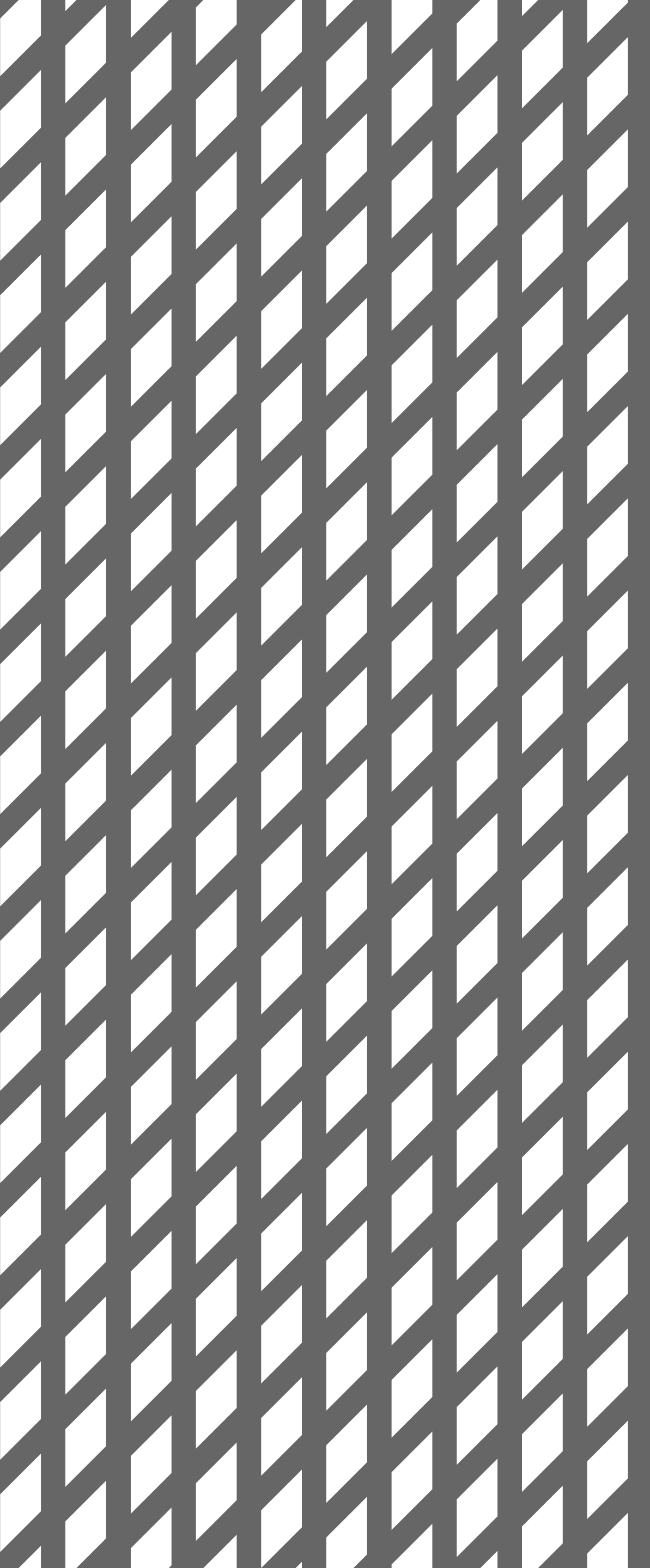
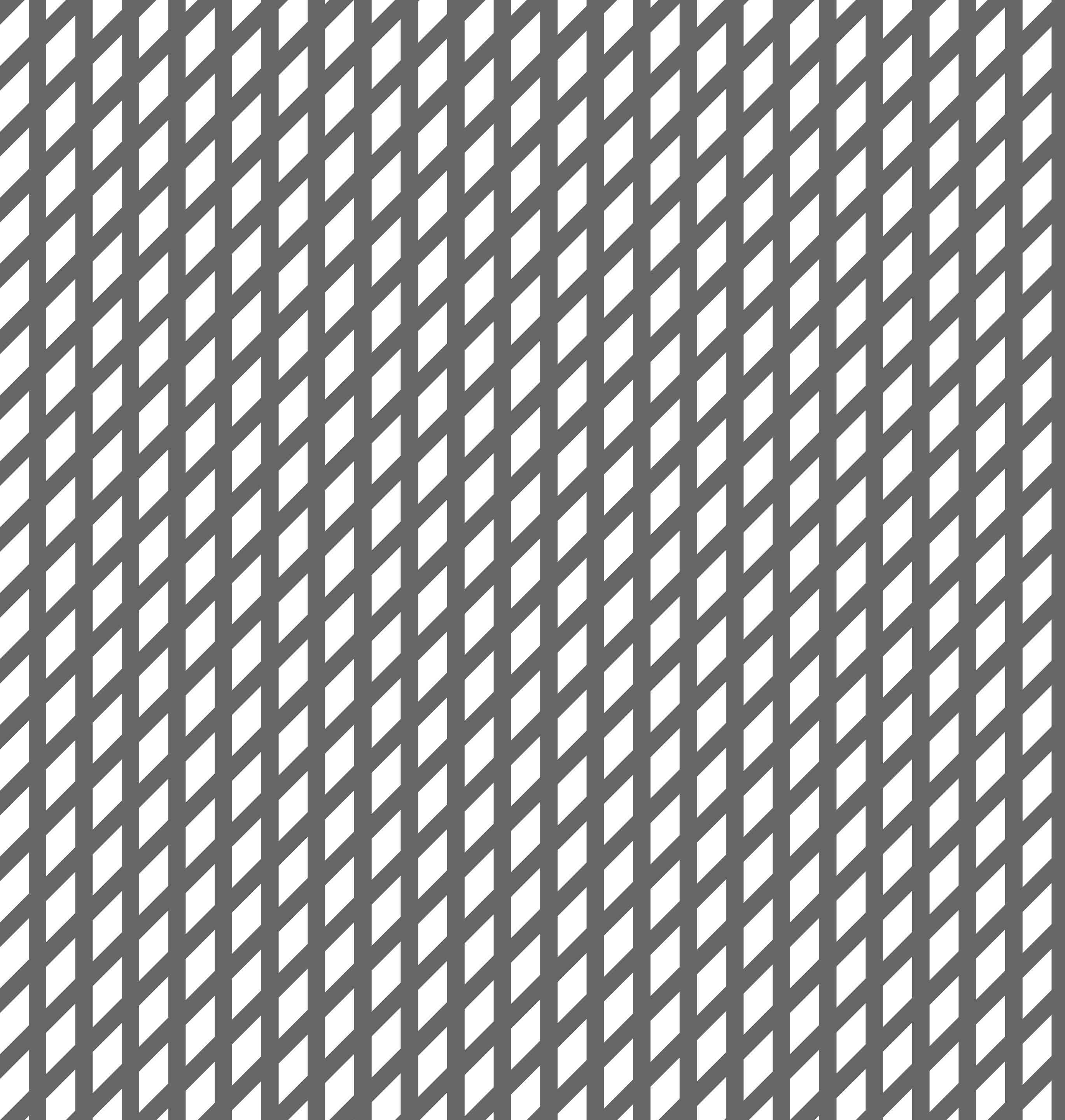


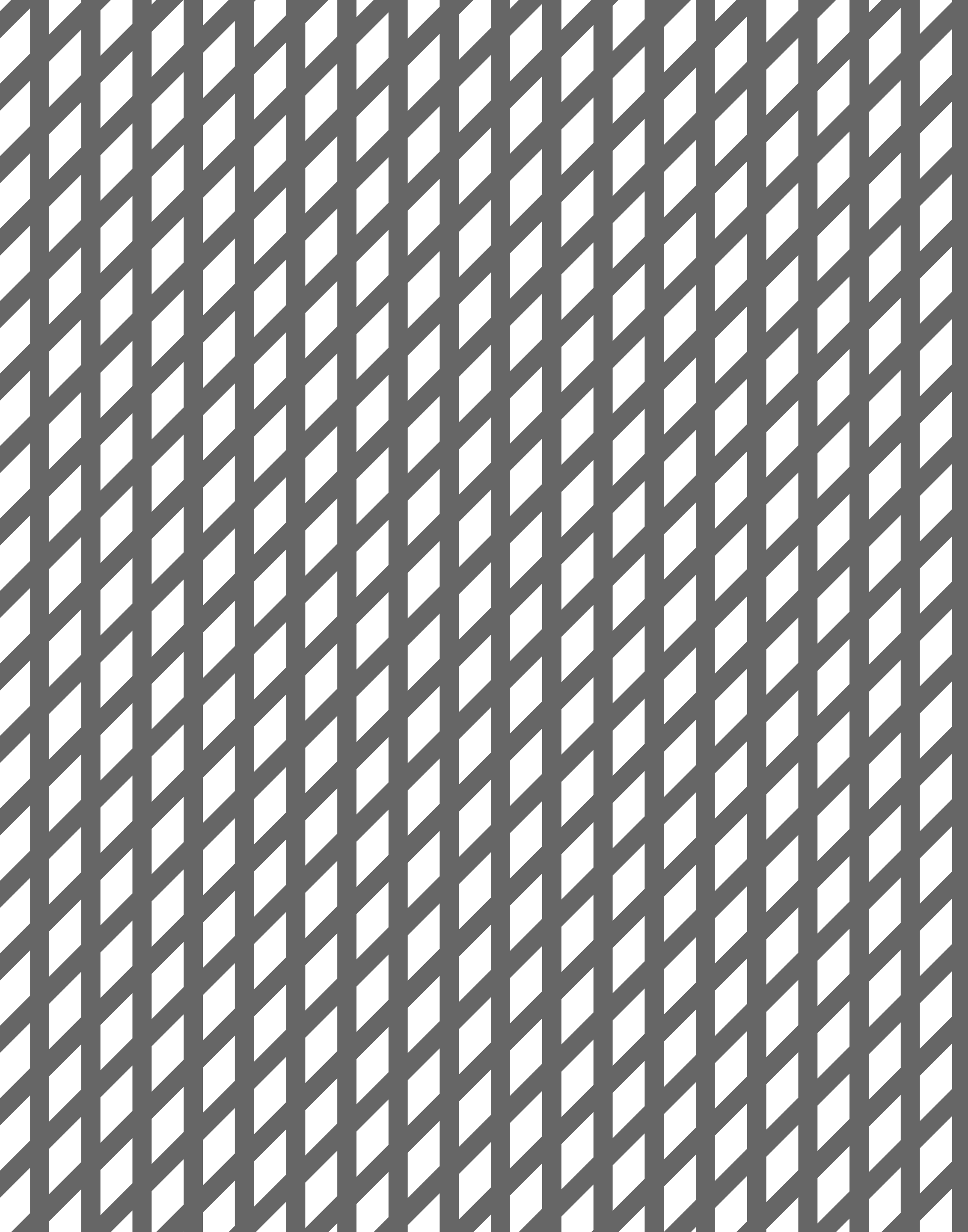
The
WONDERFUL
of **WORLD**
SVGs



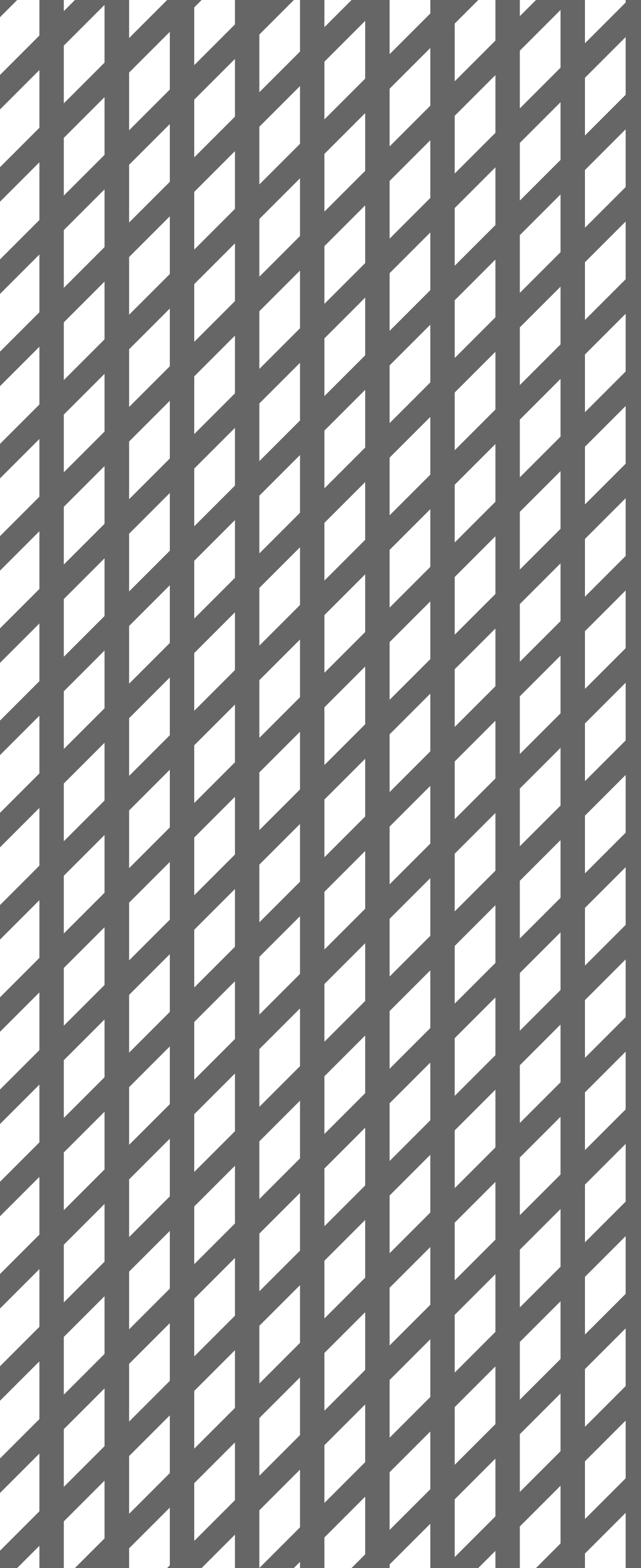
WHAT IS
an **SVG?**



SCALABLE

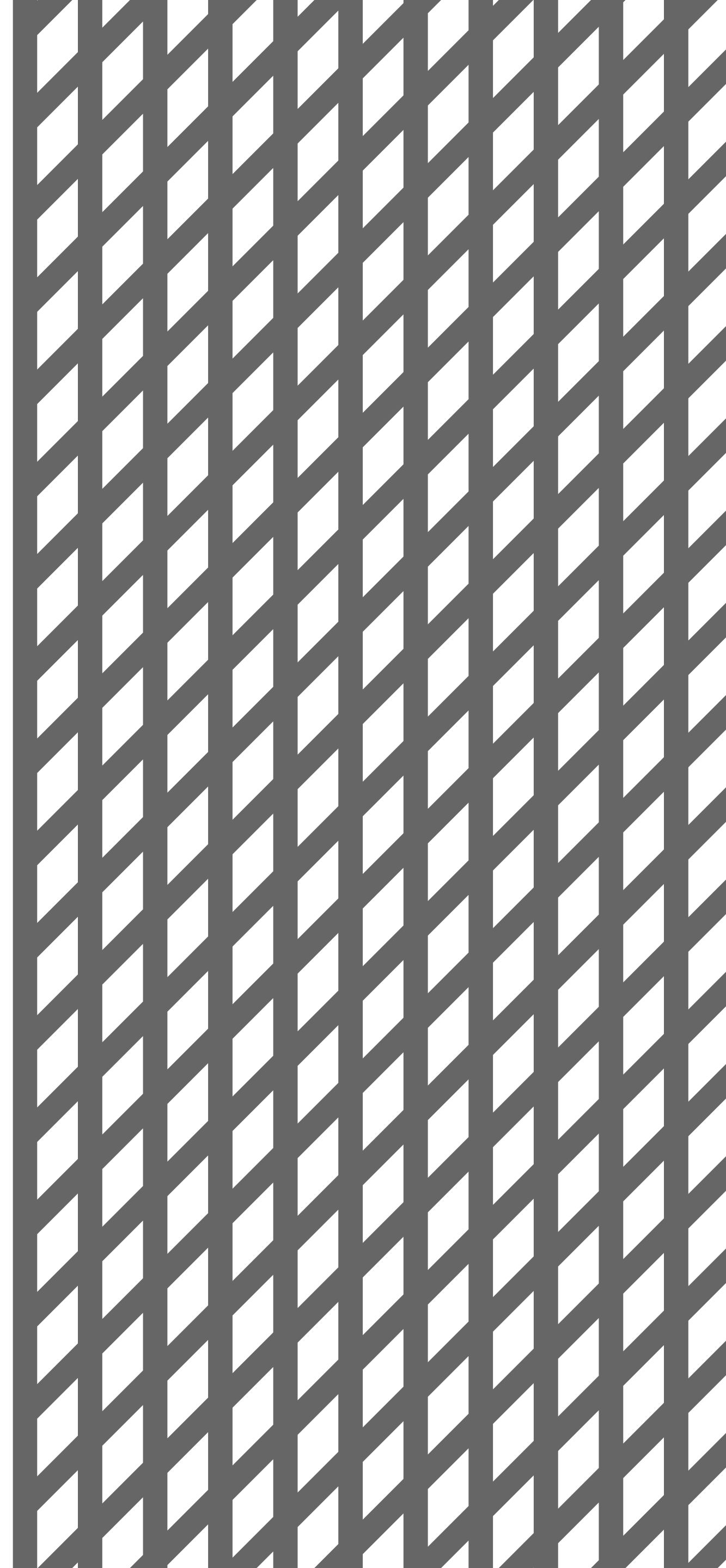


SCALABLE VECTOR



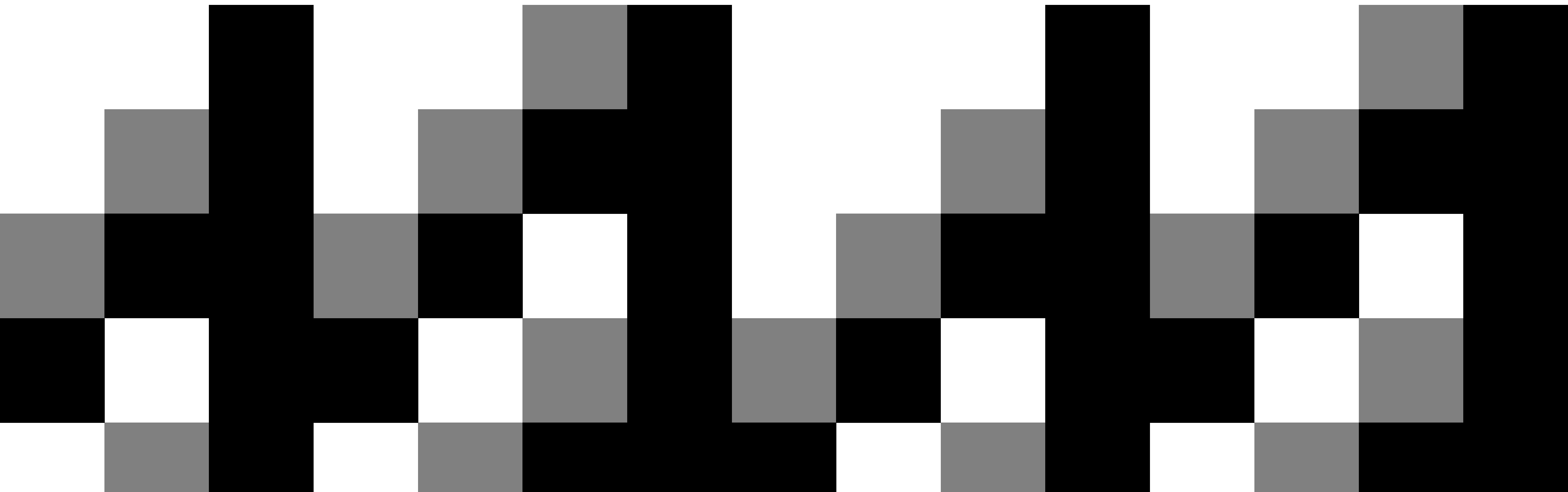
**SCALABLE
VECTOR
GRAPHIC**

VECTOR?

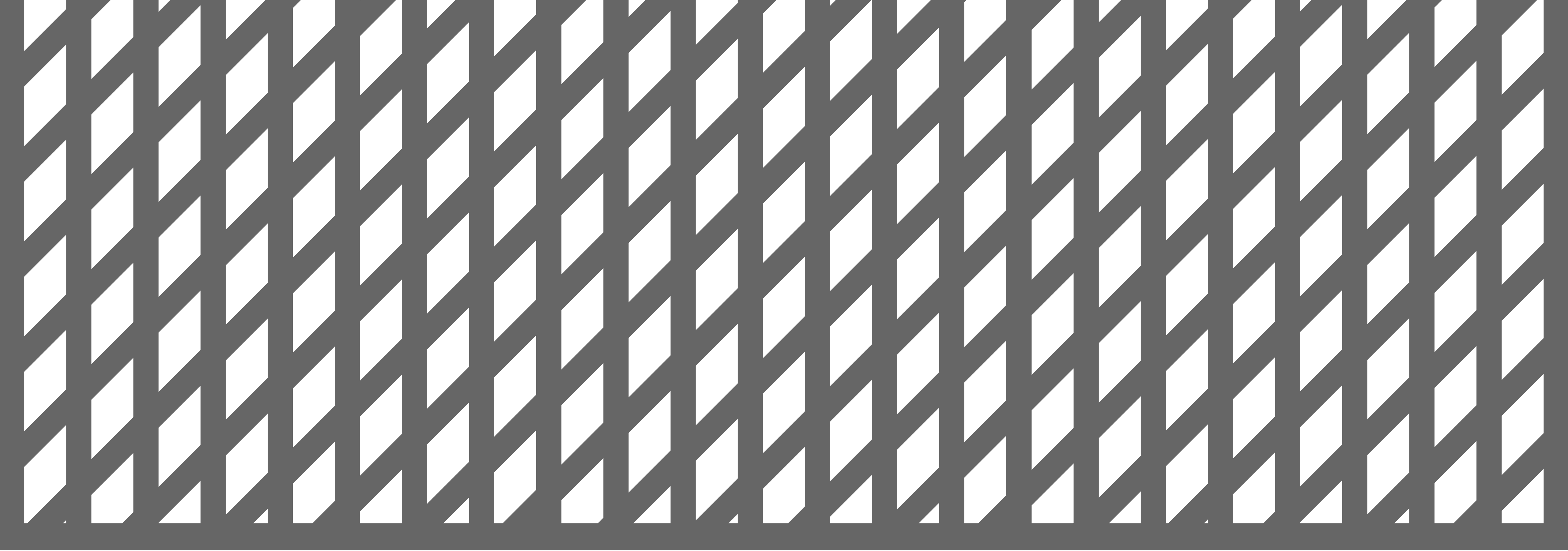


BITMAP

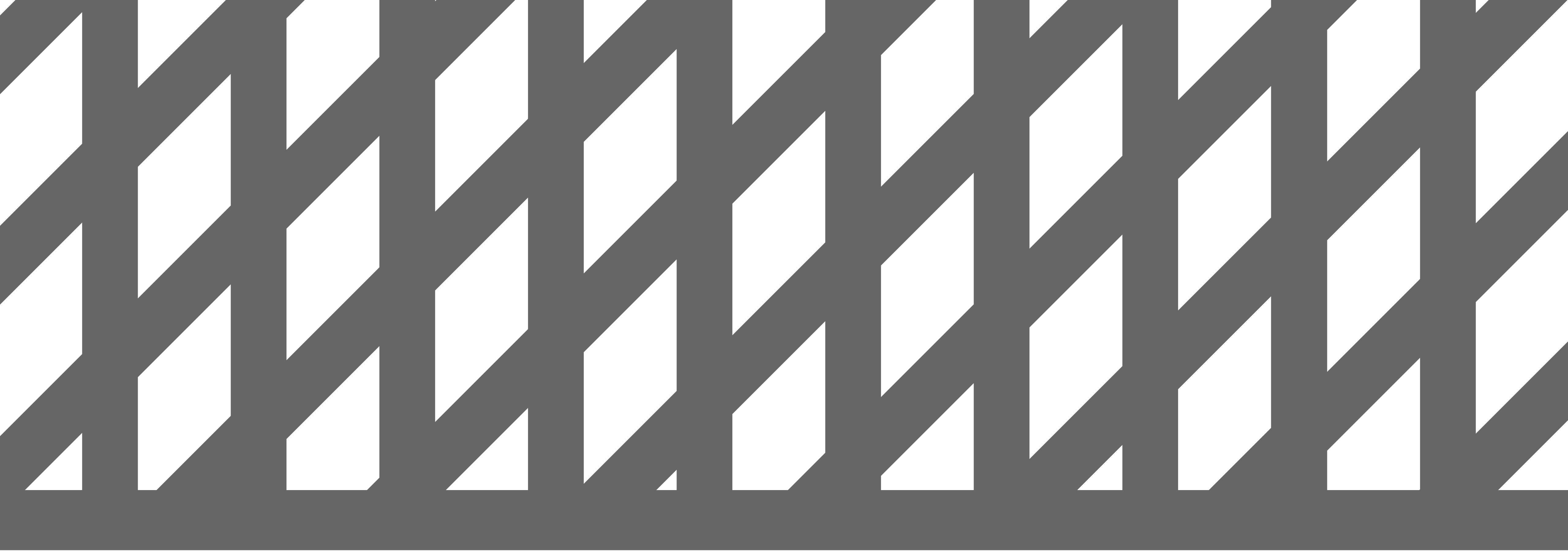
BITMAP



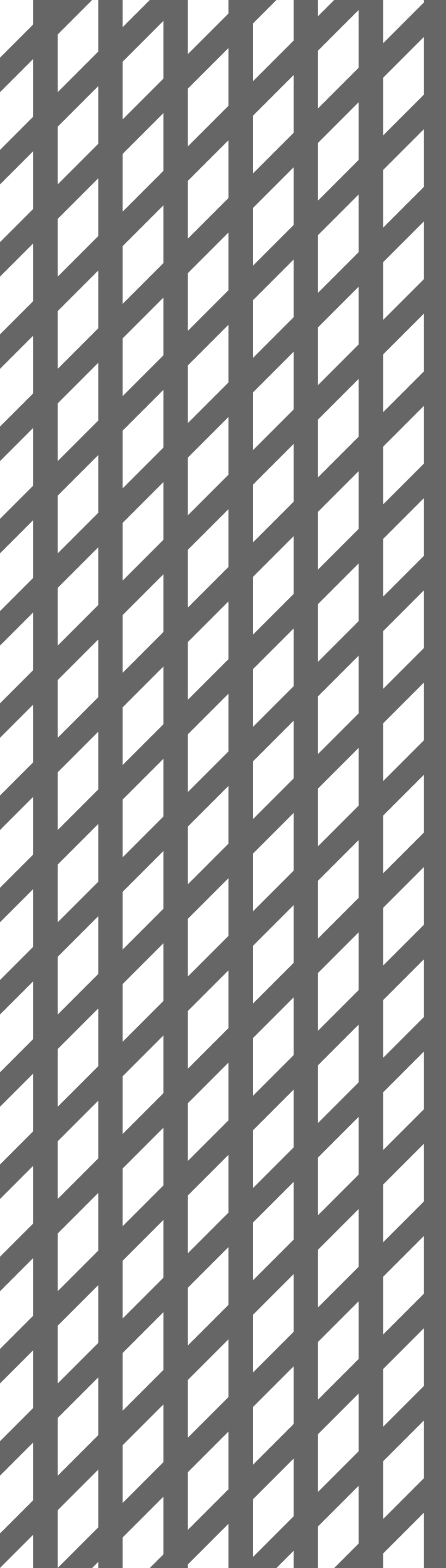
VECTOR



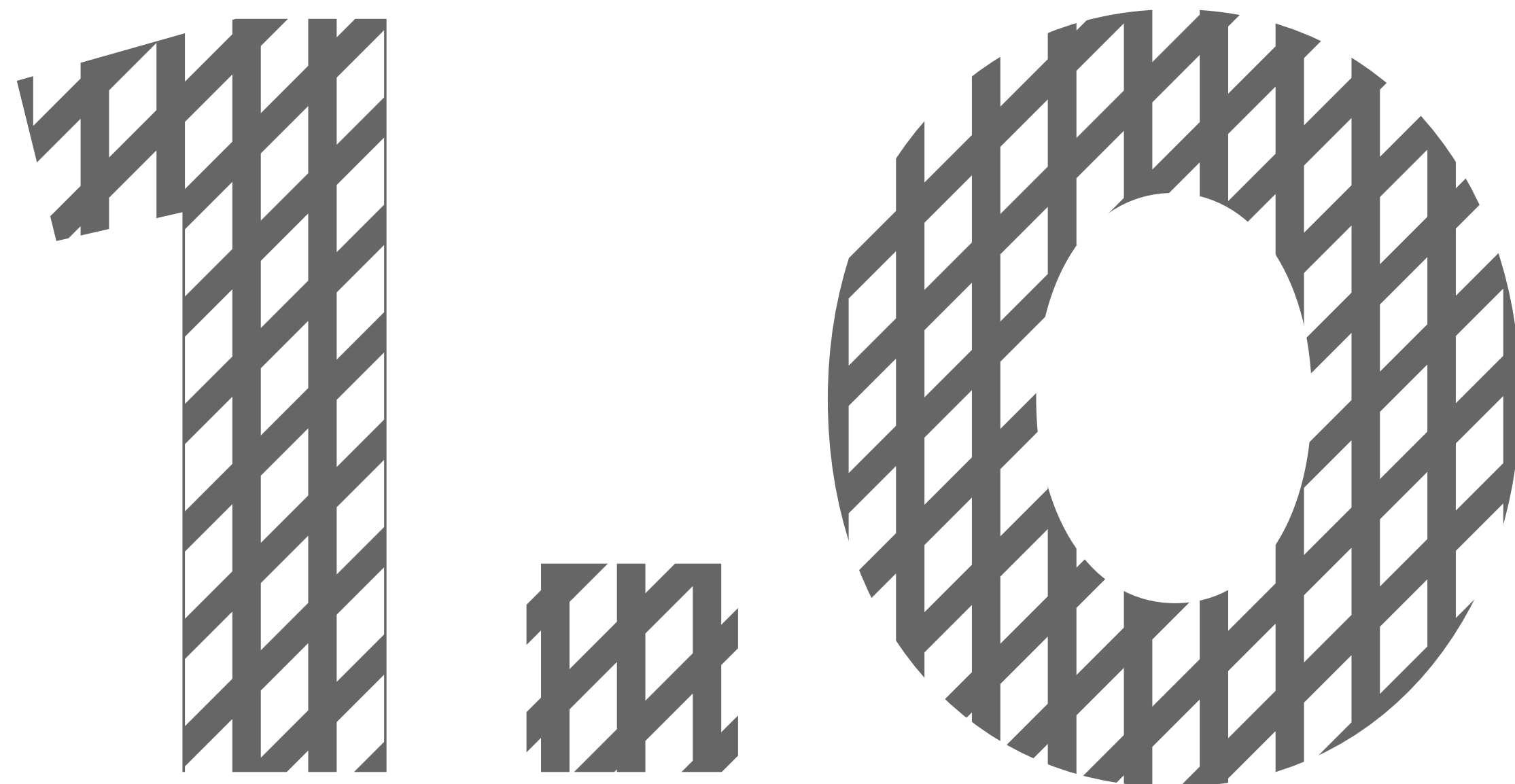
VECTOR

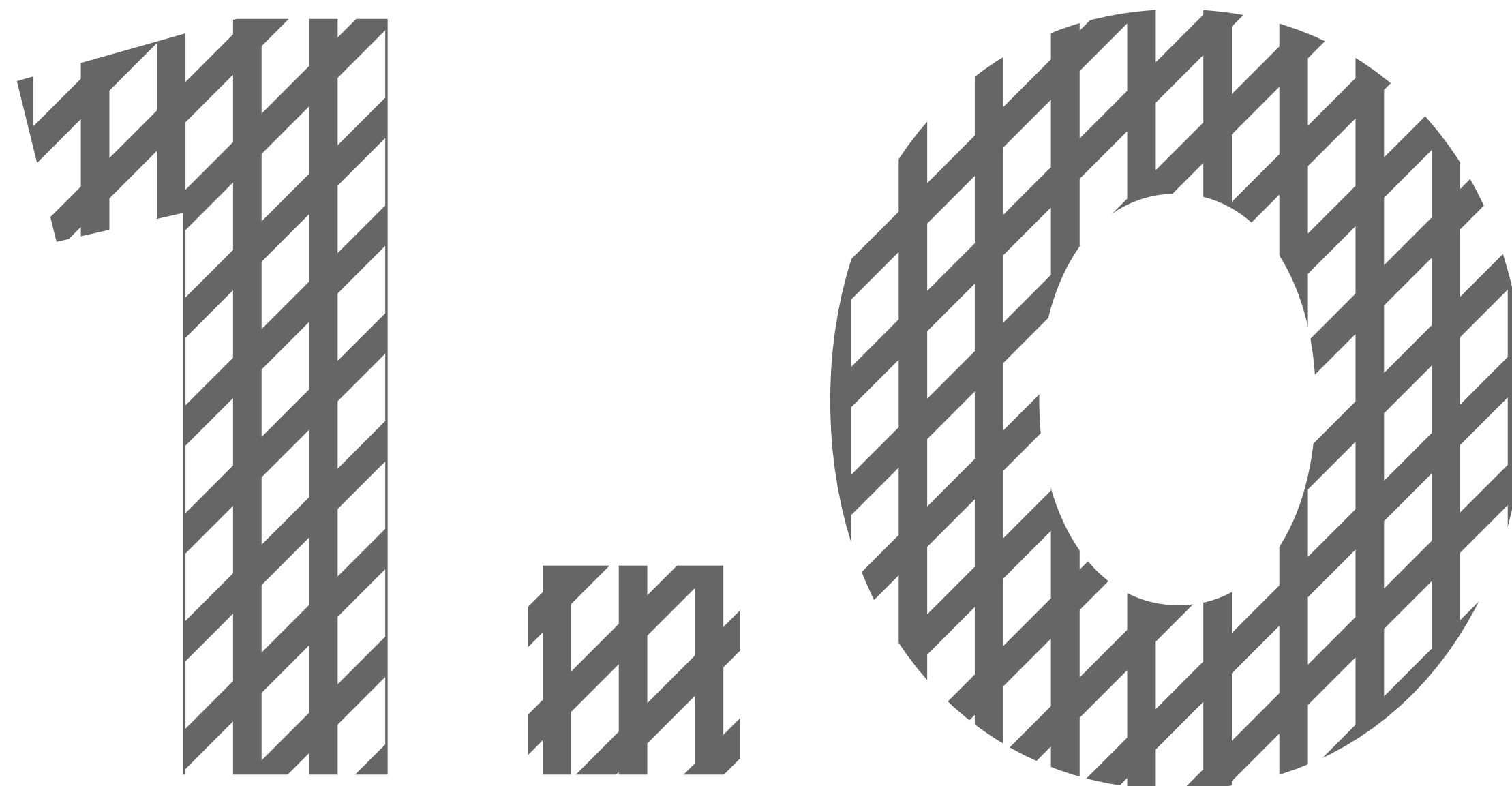


VECTOR

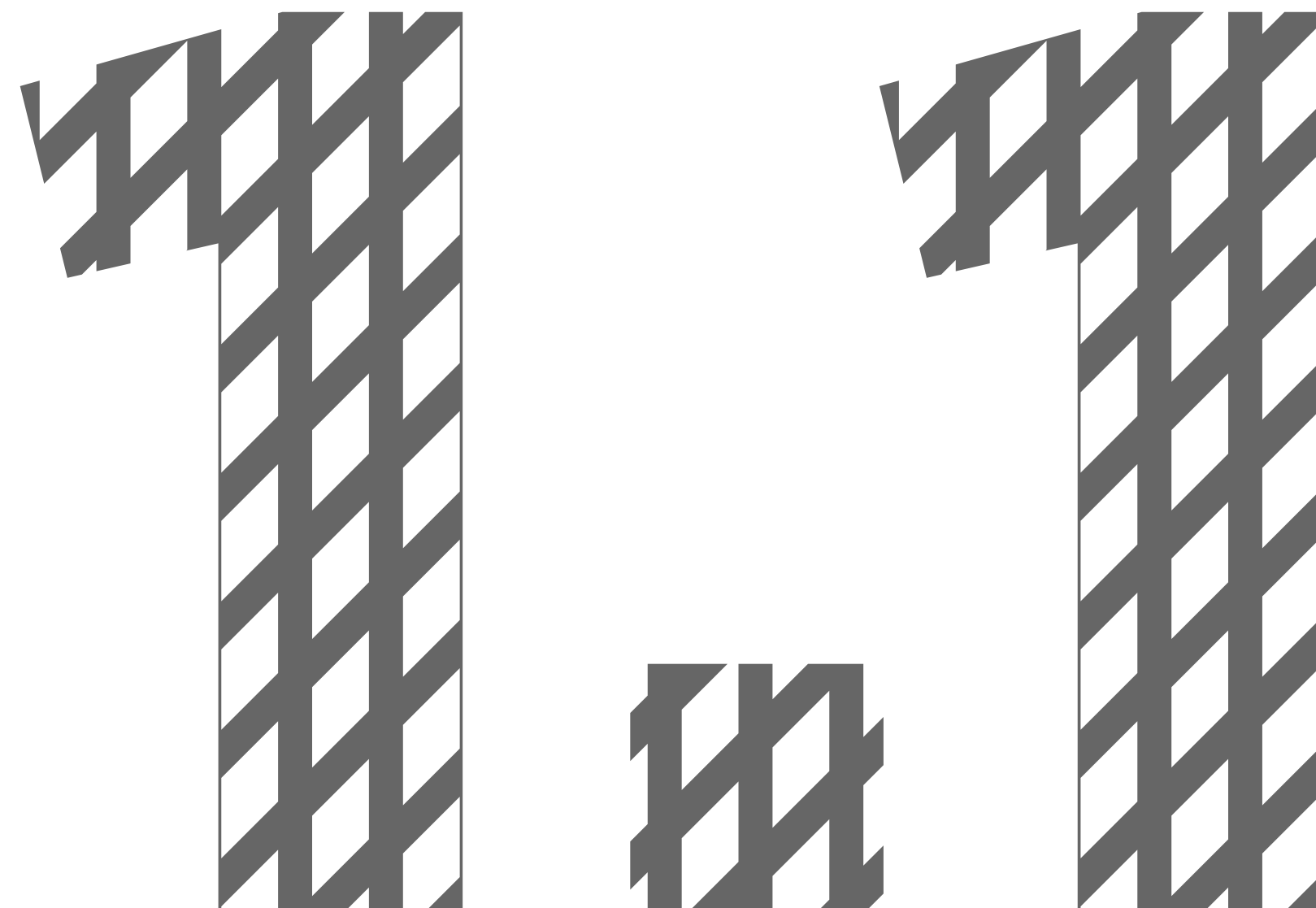


SVG versions

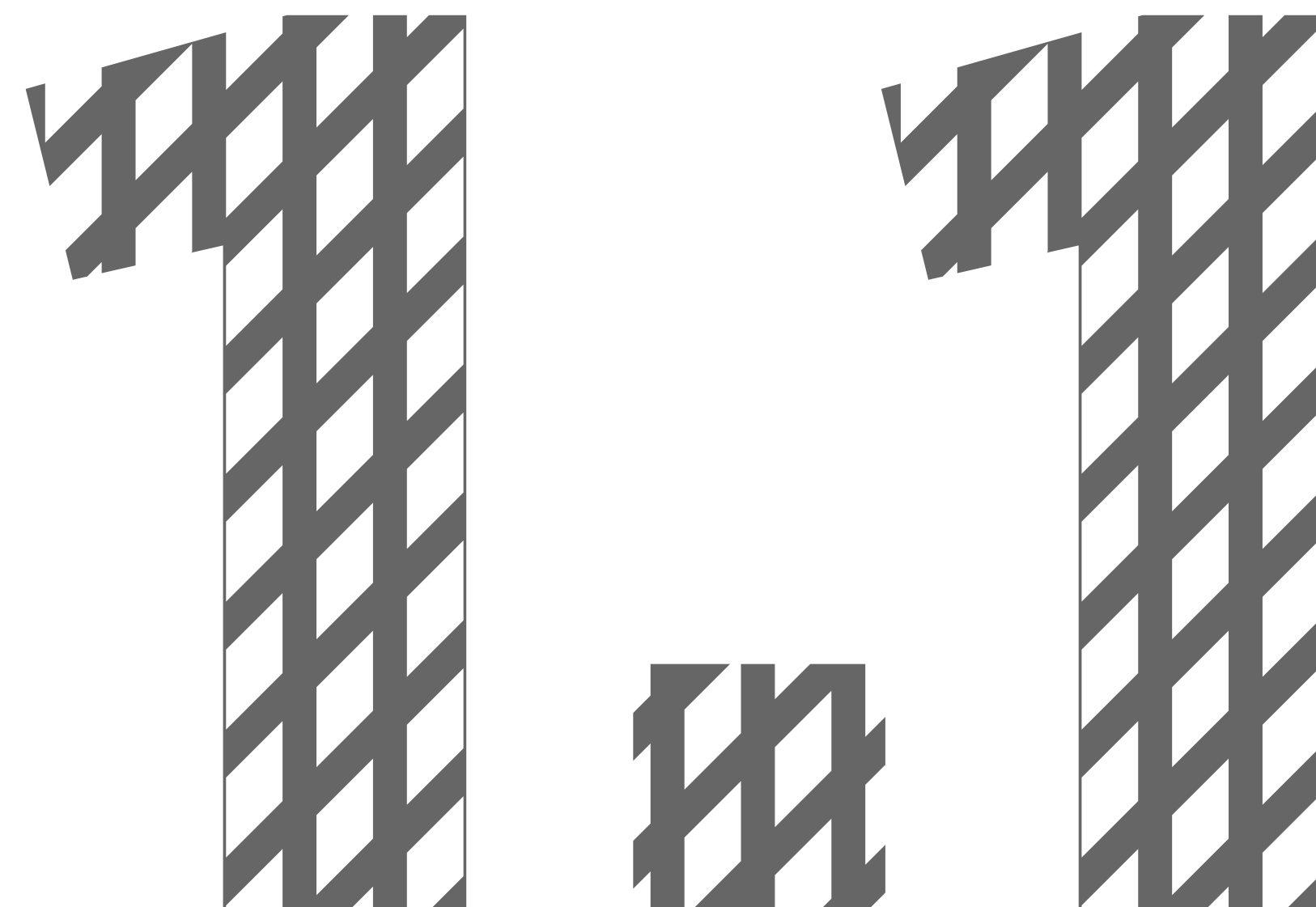




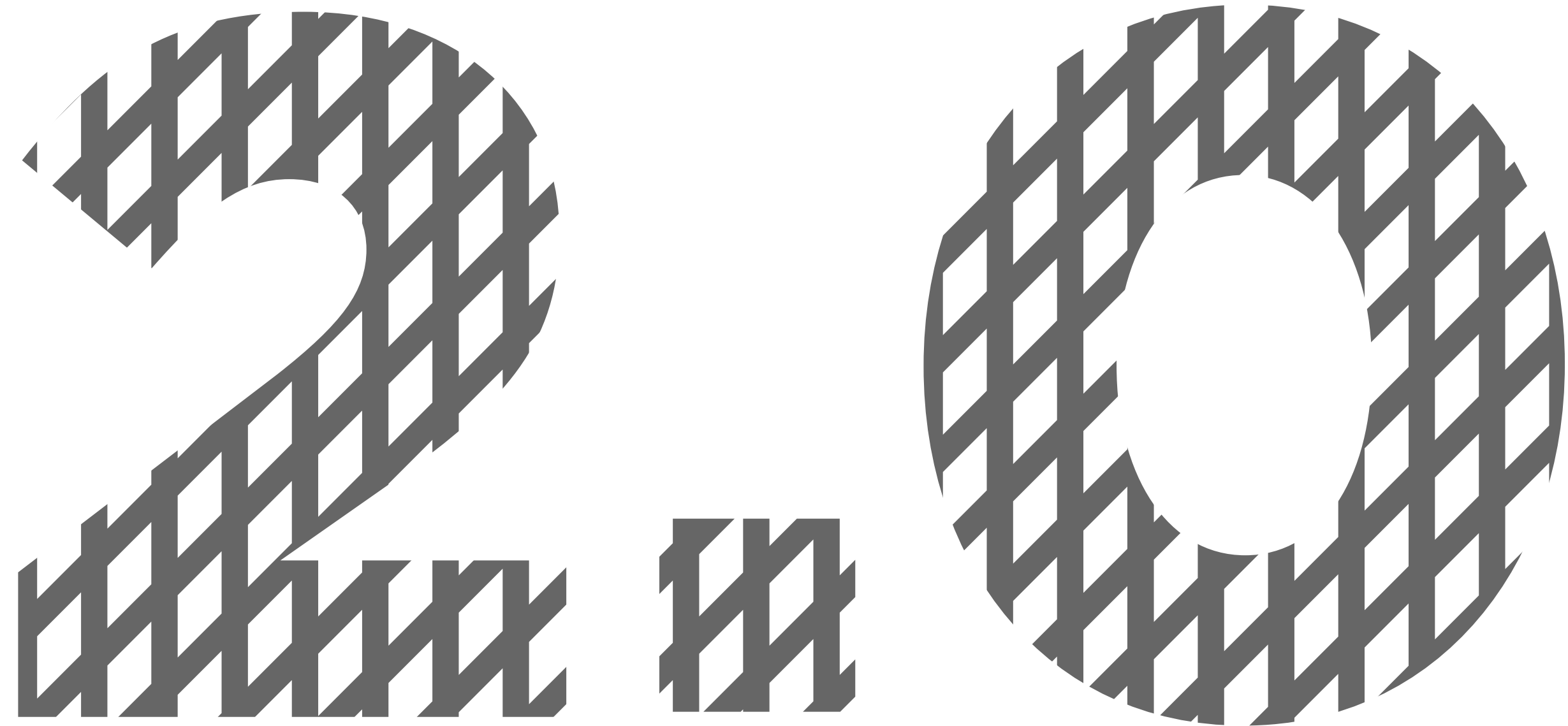
2001



2003



2nd edition



11

2nd edition

```
<!-- Generator: Adobe Illustrator 18.1.1, SVG Export Plug-In -->
<svg version="1.1"
    xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/
1999/xlink" xmlns:a="http://ns.adobe.com/AdobeSVGViewerExtensions/3.0/"
    x="0px" y="0px" width="368.6px" height="251.3px" viewBox="0 0 368.6
251.3" enable-background="new 0 0 368.6 251.3"
    xml:space="preserve">
<defs>
</defs>
<g>
    <path d="M55.3,64.51-42.1,9.6L0,20.7L73.1,0h50.3v251.3H55.3V64.5z"/>
    <path d="M170,181.8h70.6v69.5H170V181.8z"/>
    <path
d="M300.5,64.51-42.1,9.6l-13.2-53.5L318.3,0h50.3v251.3h-68.1V64.5z"/>
</g>
</svg>
```

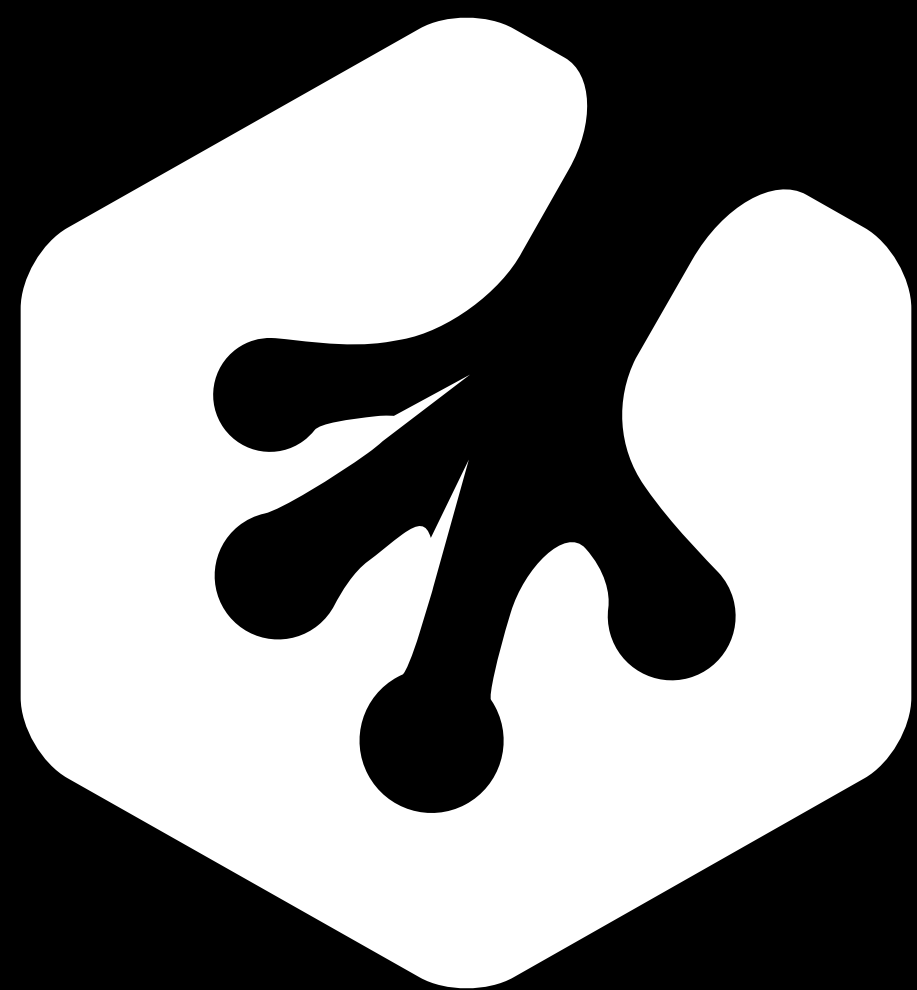



Hi, I'm Chris Michel

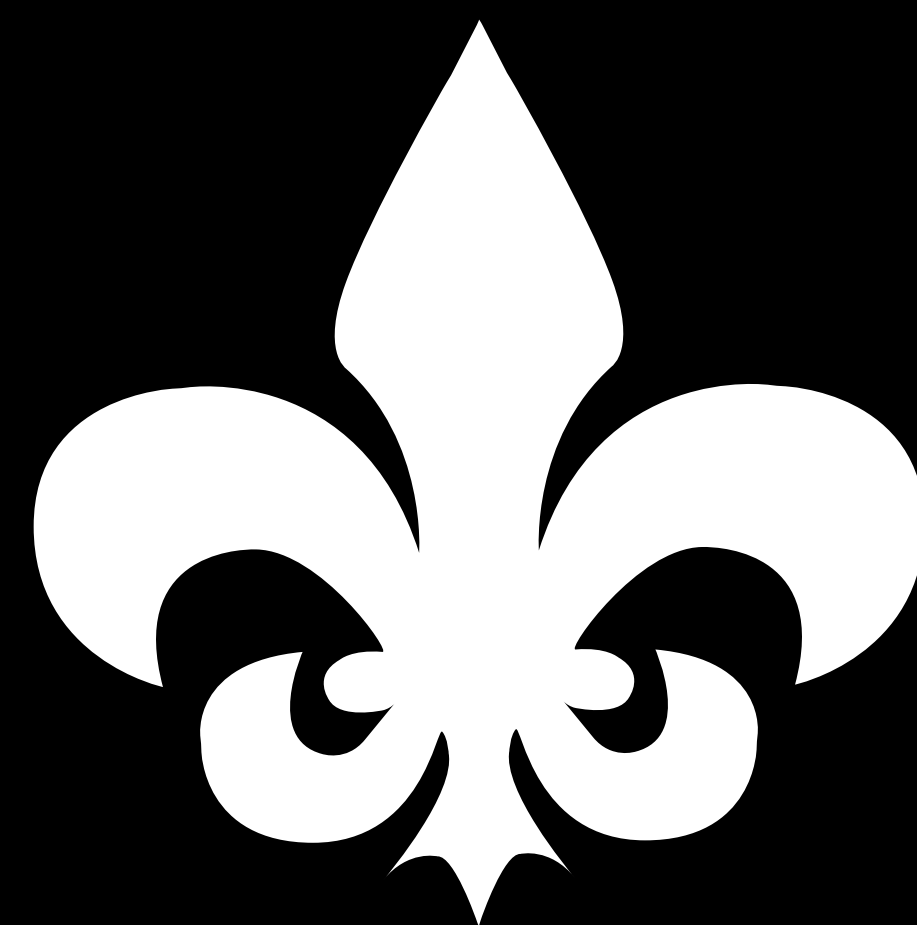
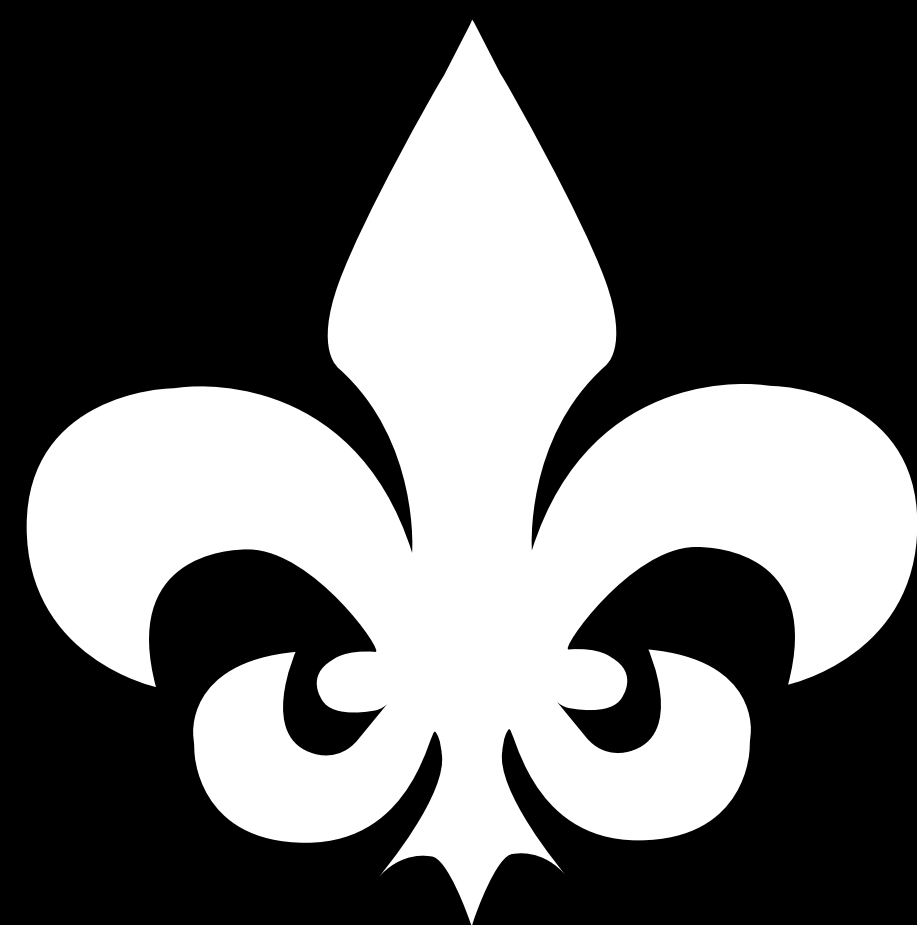
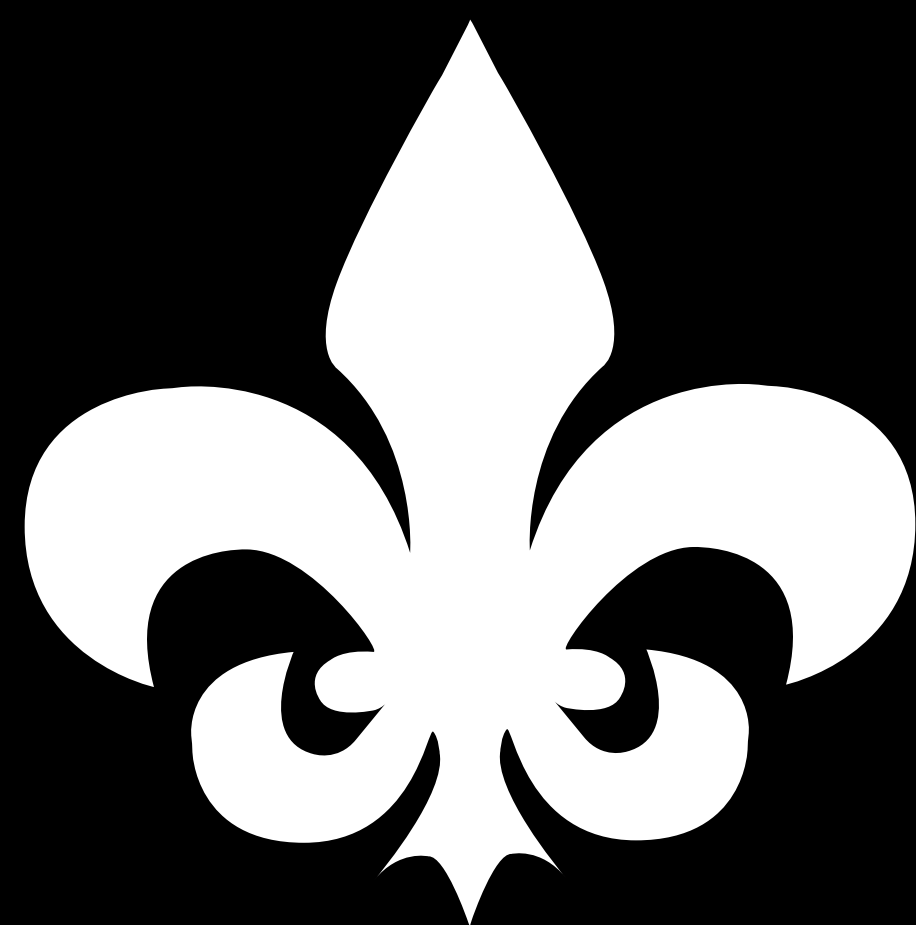
@hatefulcrawdad



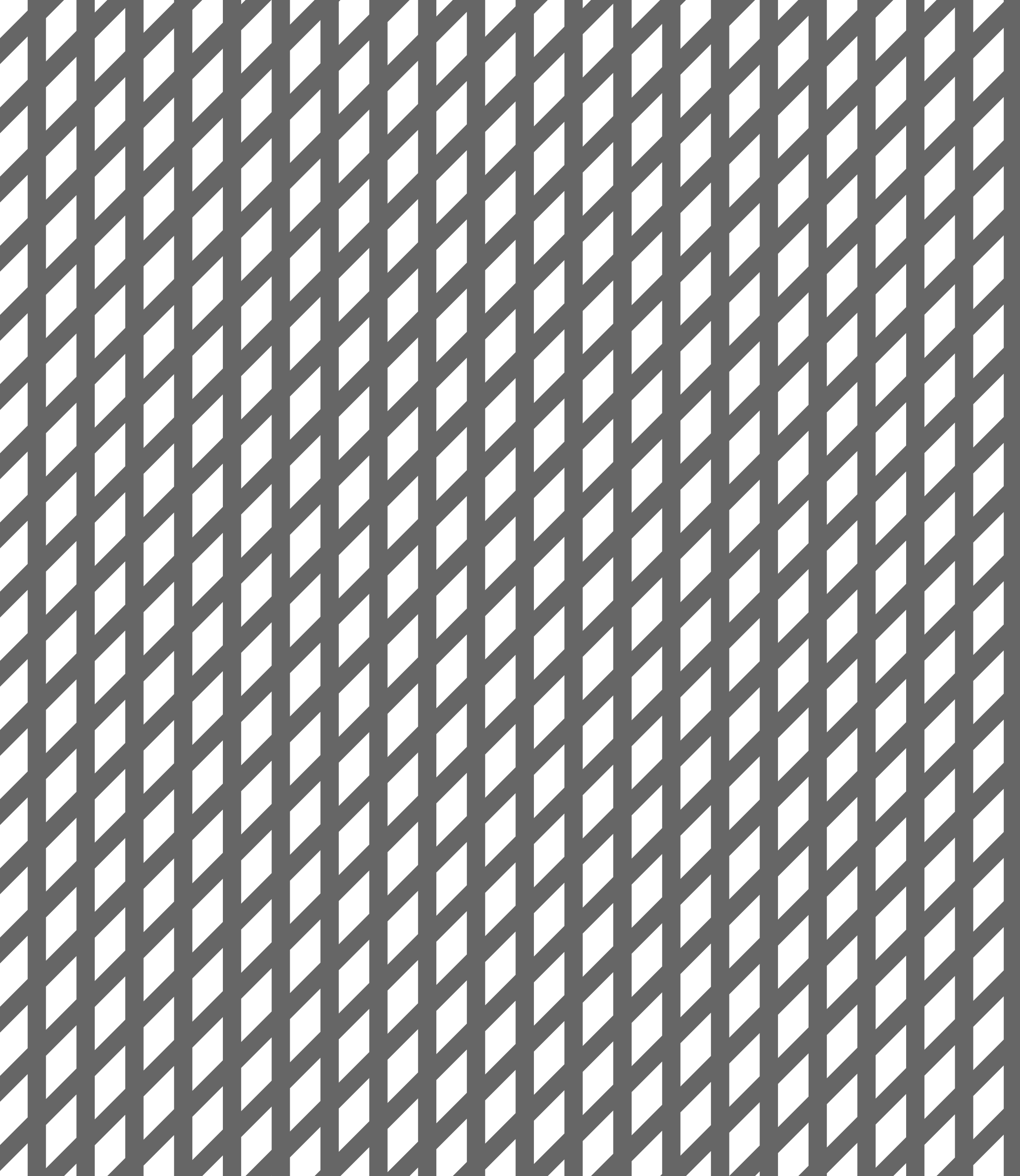
Santa Cruz, CA



MODERNTM
BEARD

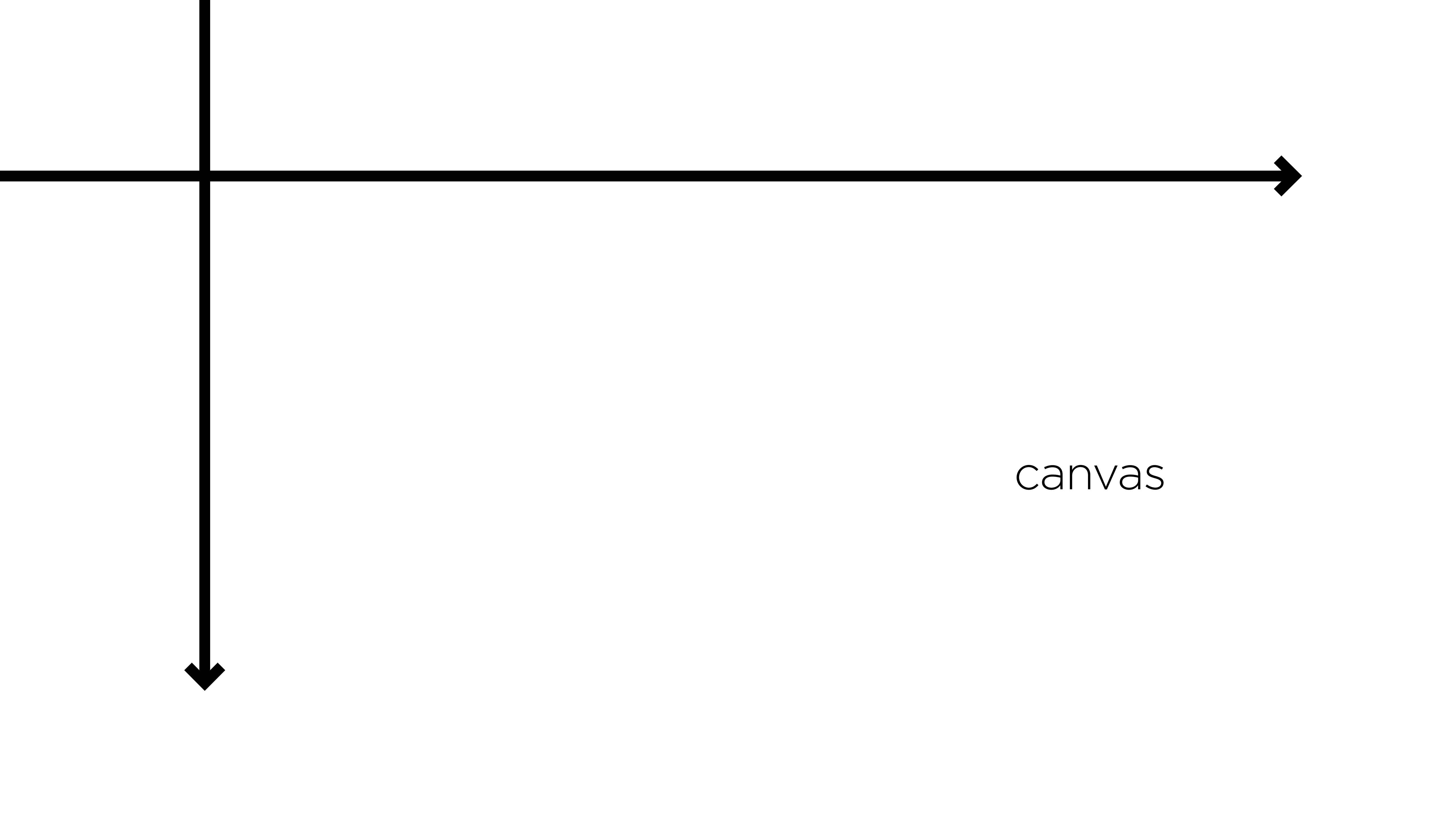


how to
BUILD
SVGs

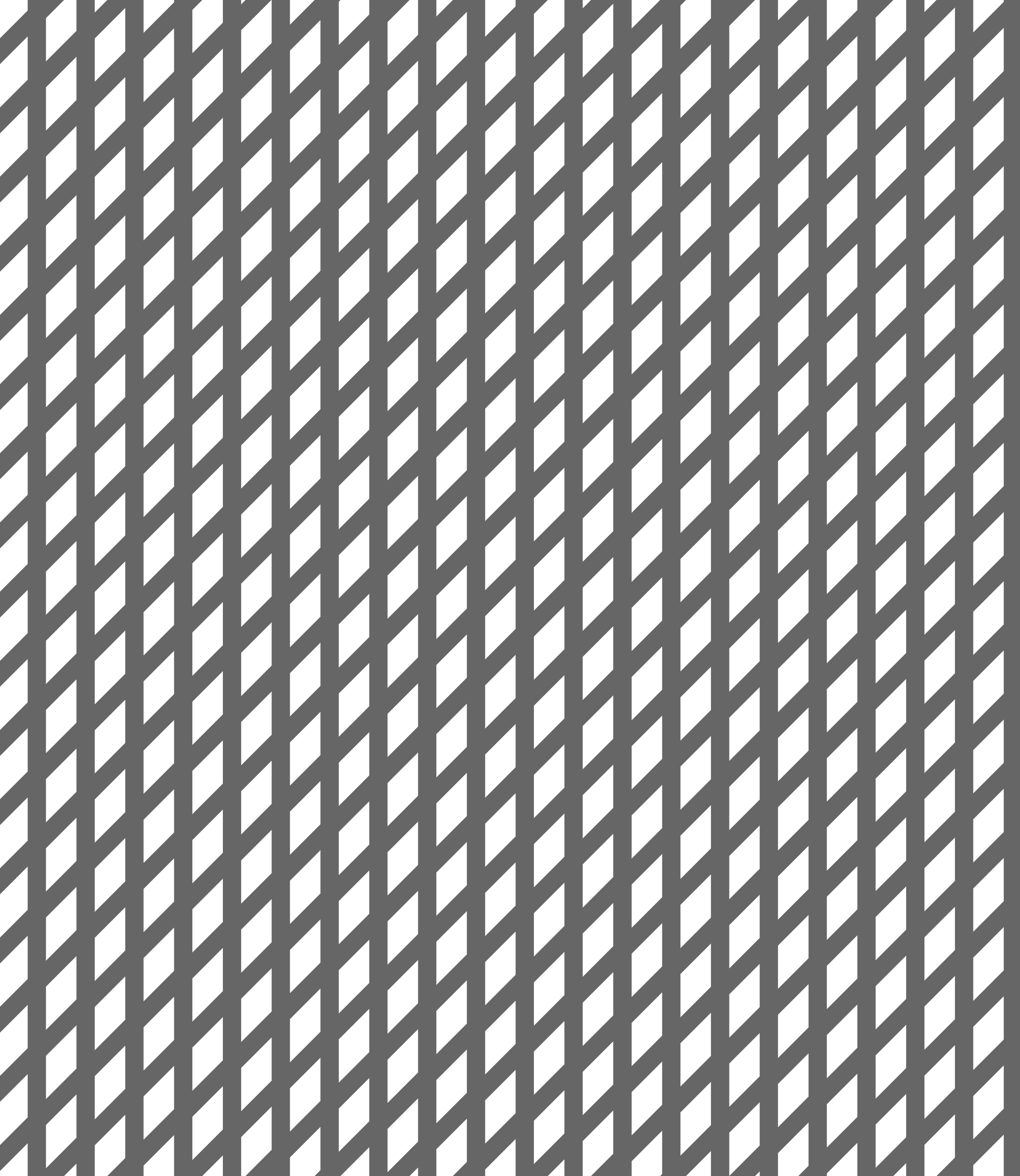


<svg>

canvas

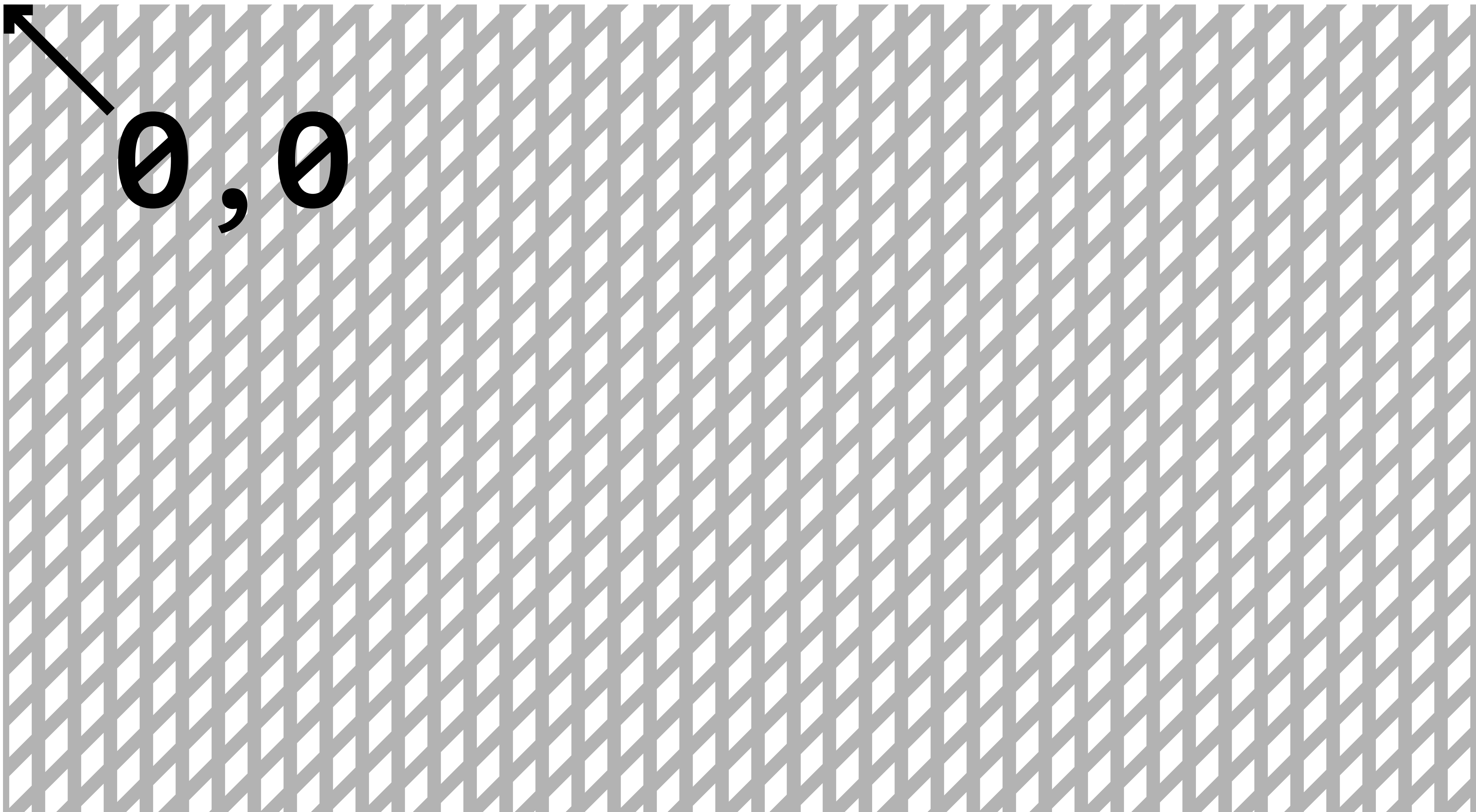


canvas



<svg>
viewport


```
<svg width="100%" height="100%"></svg>
```



```
<svg width="100%" height="100%"  
      viewBox="">  
</svg>
```



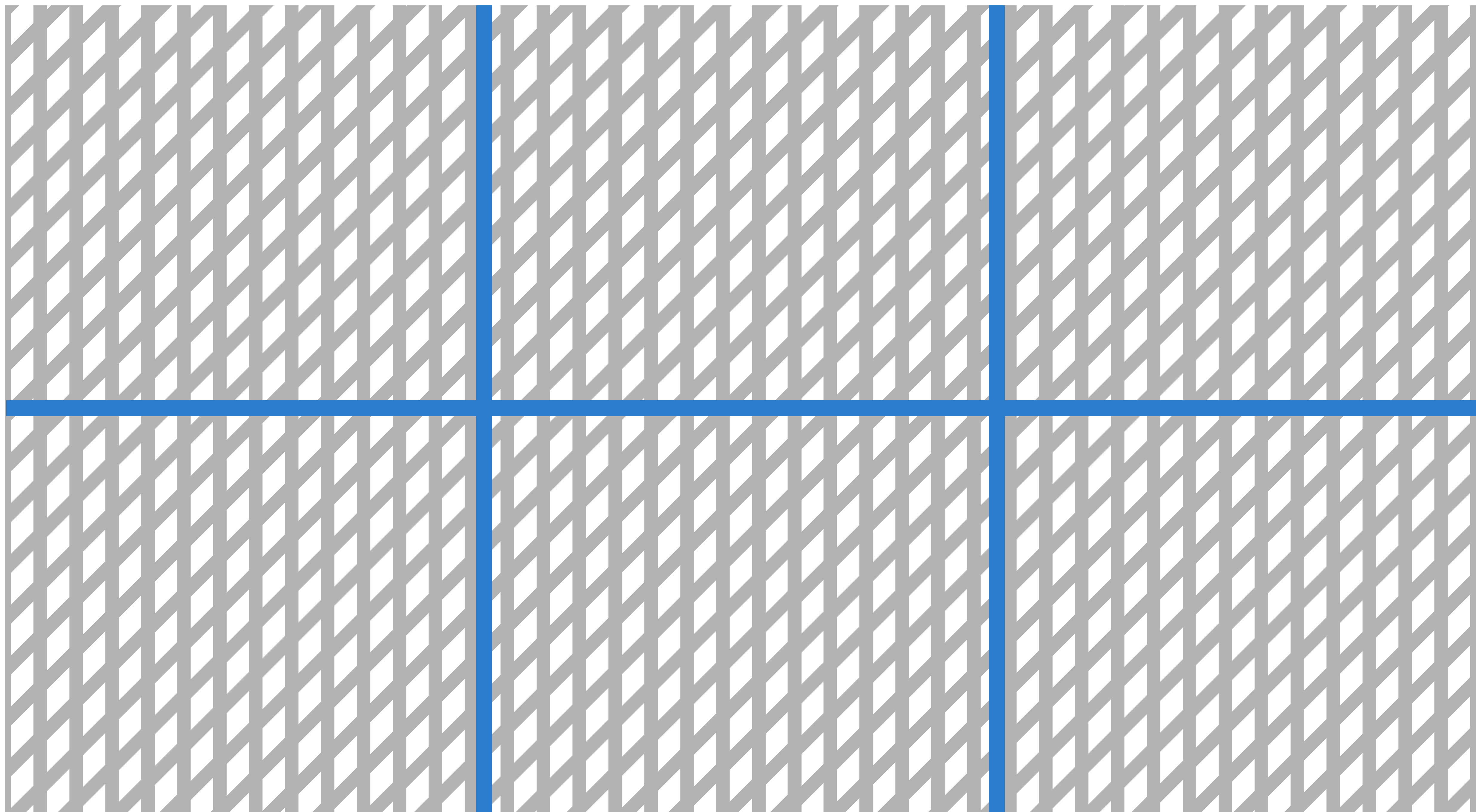
```
<svg width="100%" height="100%"  
      viewBox="[min-x] [min-y] [width] [height]">  
</svg>
```

```
<svg width="100%" height="100%"  
      viewBox=" [min-x] [min-y] [width] [height] ">  
</svg>
```



```
<svg width="100%" height="100%"  
      viewBox=" [min-x] [min-y] [width] [height] ">  
</svg>
```

```
<svg width="100%" height="100%"  
      viewBox="0 0 3 2">  
</svg>
```

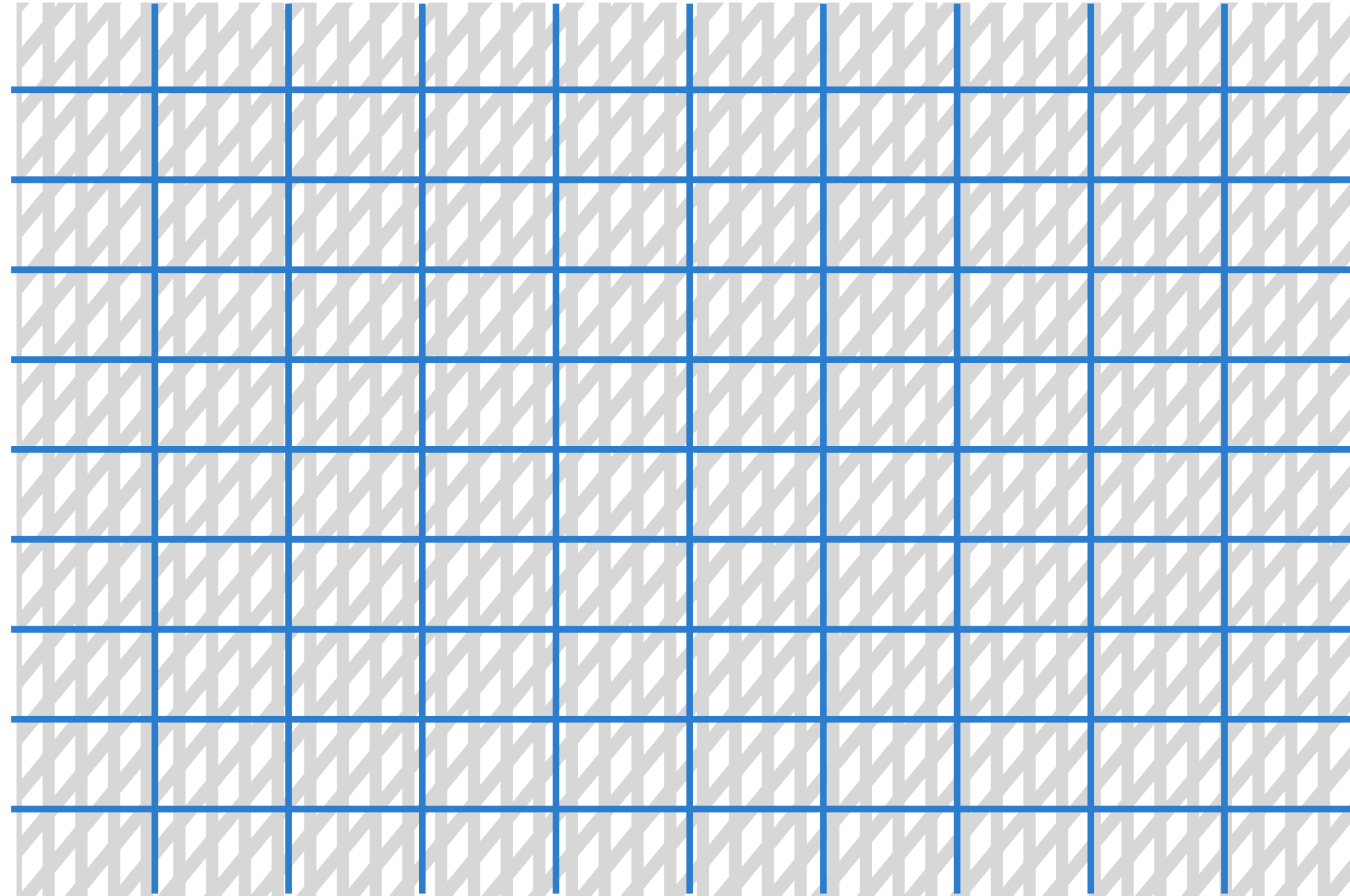



```
<svg width="100%" height="100%"  
      viewBox="0,0,10,10">  
</svg>
```

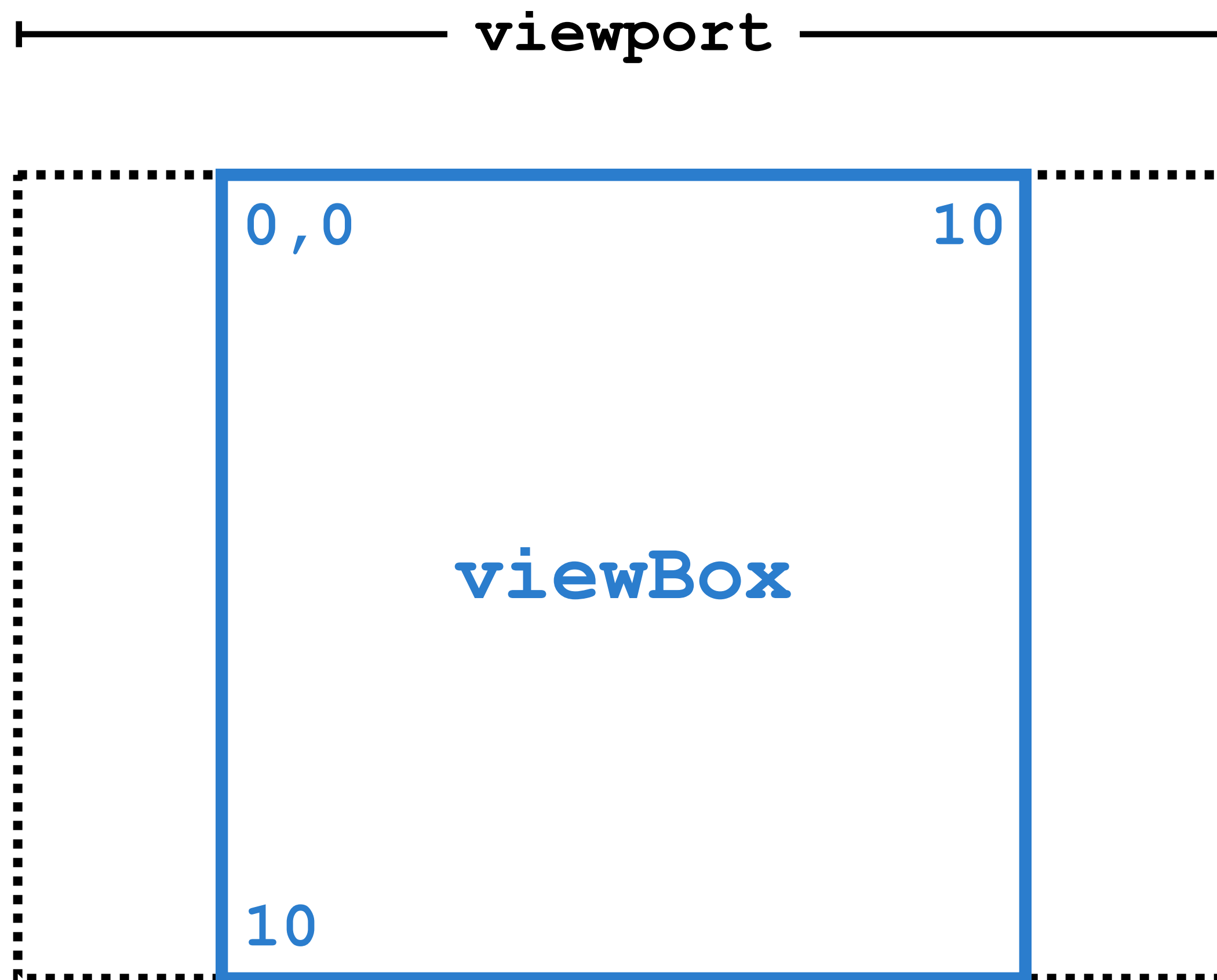
0, 0

100%

100%

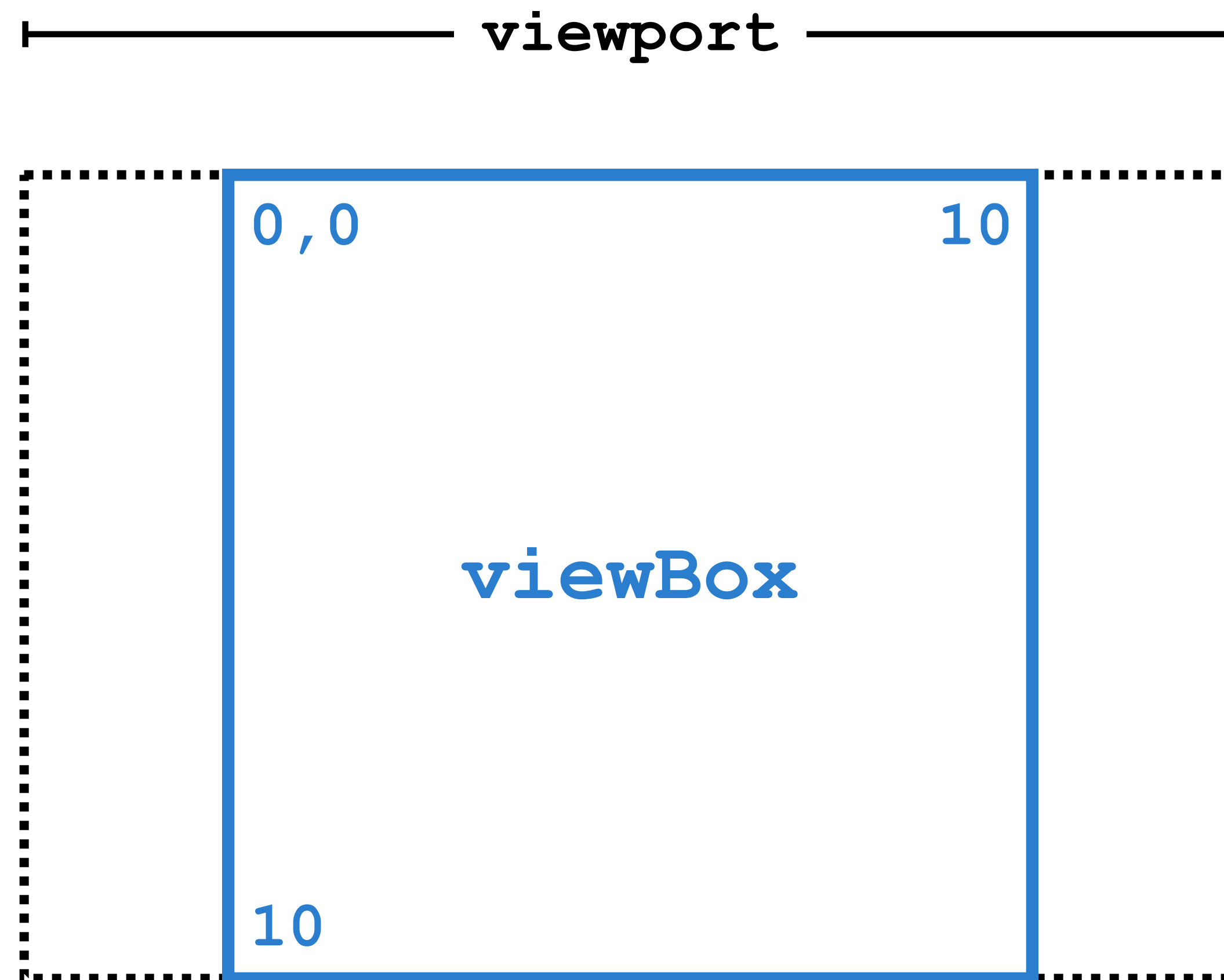


```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="">  
</svg>
```

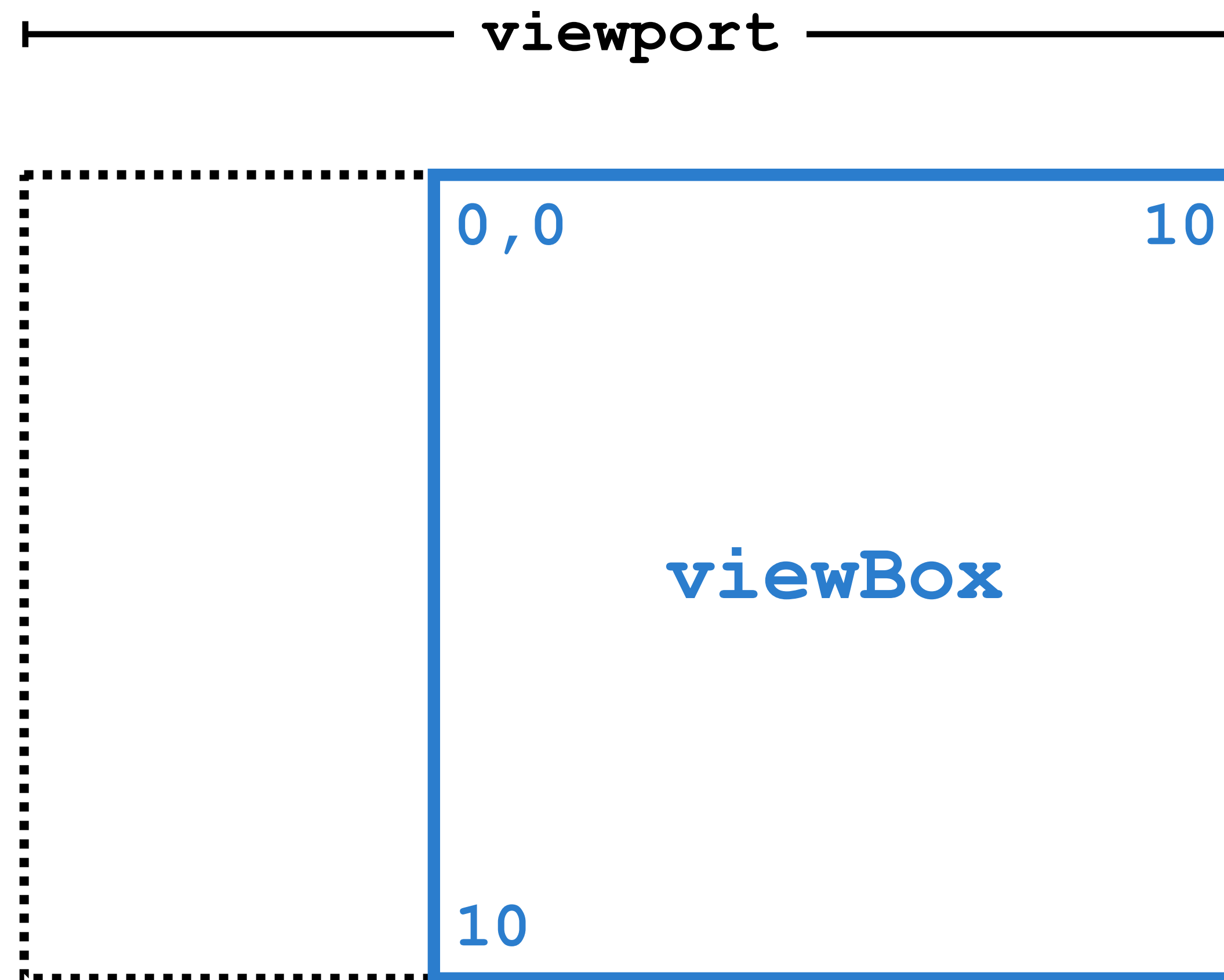
Default

```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMidYMin">  
</svg>
```

`preserveAspectRatio="xMidYMin"`

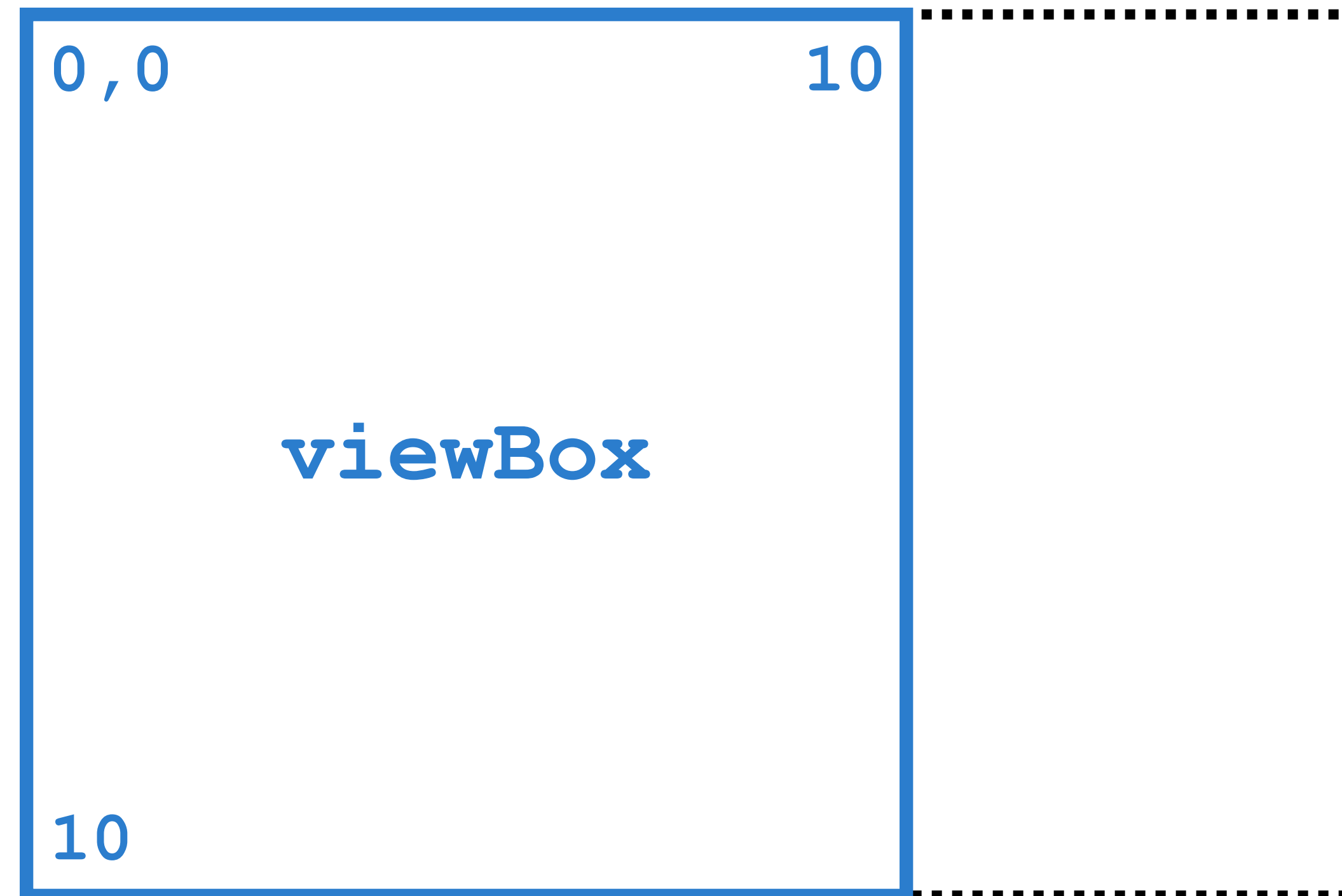
```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMaxYMin">  
</svg>
```



`preserveAspectRatio="xMaxYMin"`


```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMinYMin">  
</svg>
```

|----- viewport -----|



`preserveAspectRatio="xMinYMin"`

```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMinYMin none">  
</svg>
```

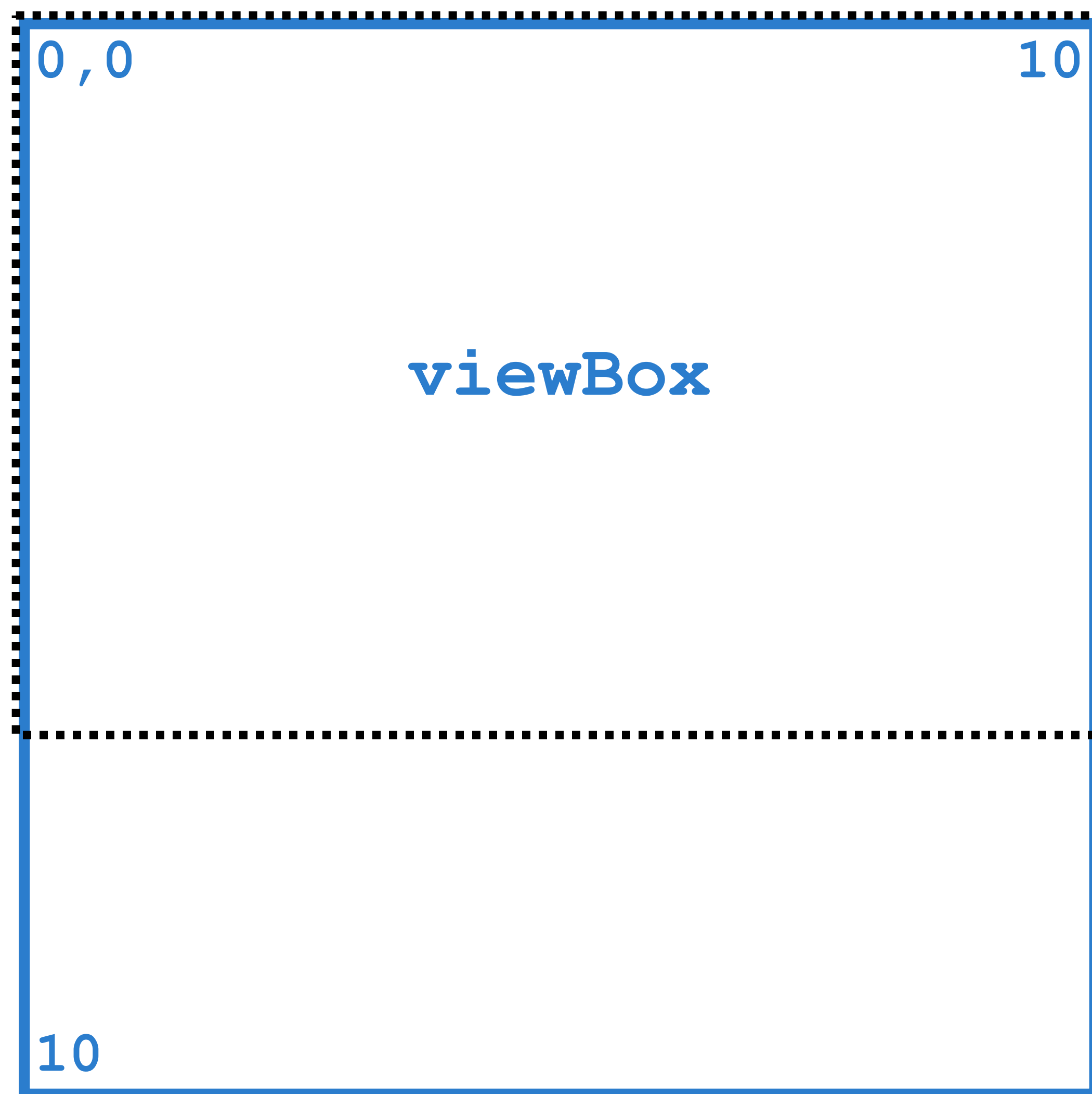

viewport



`preserveAspectRatio="xMinYMin none"`

```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMinYMin slice">  
</svg>
```

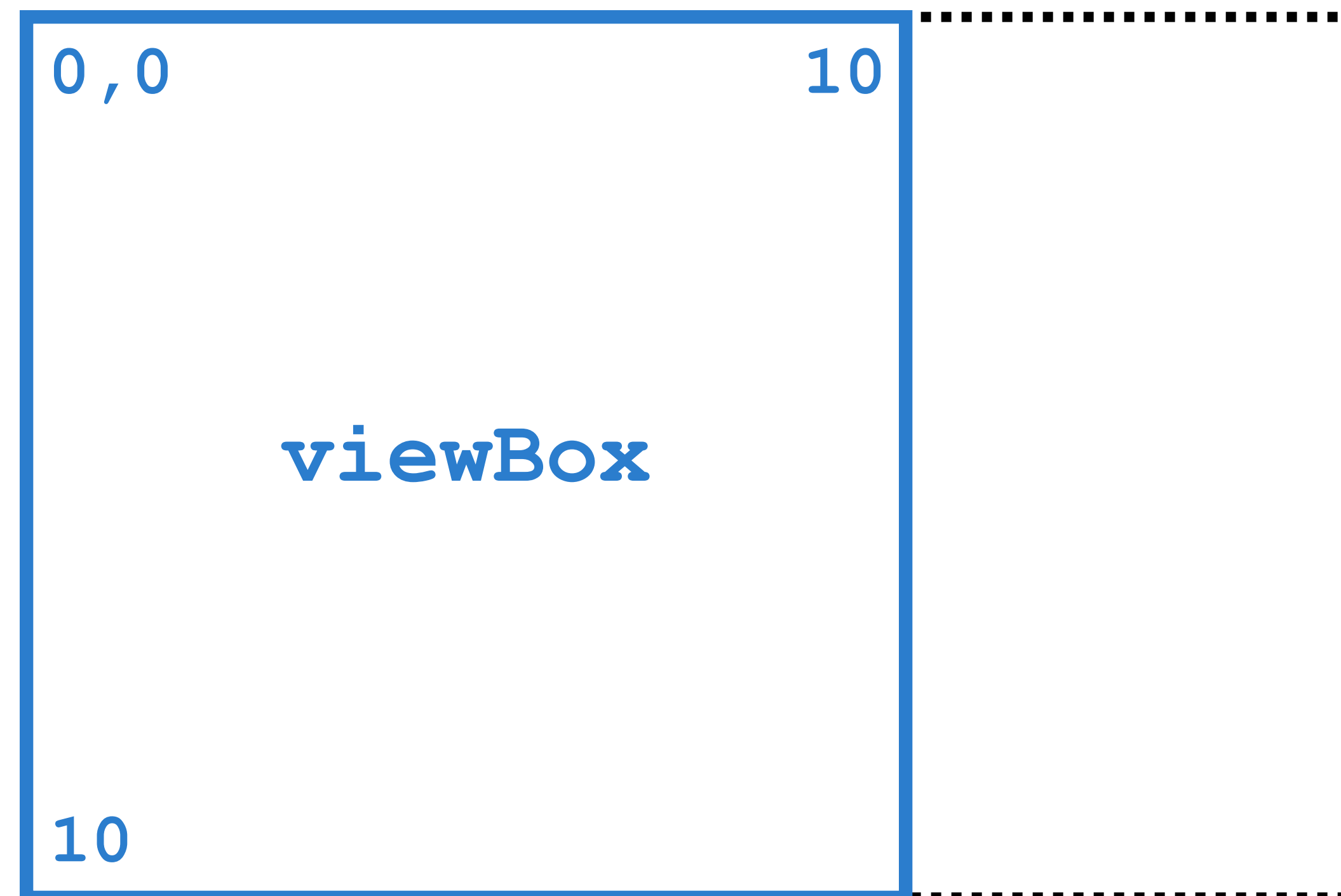

viewport



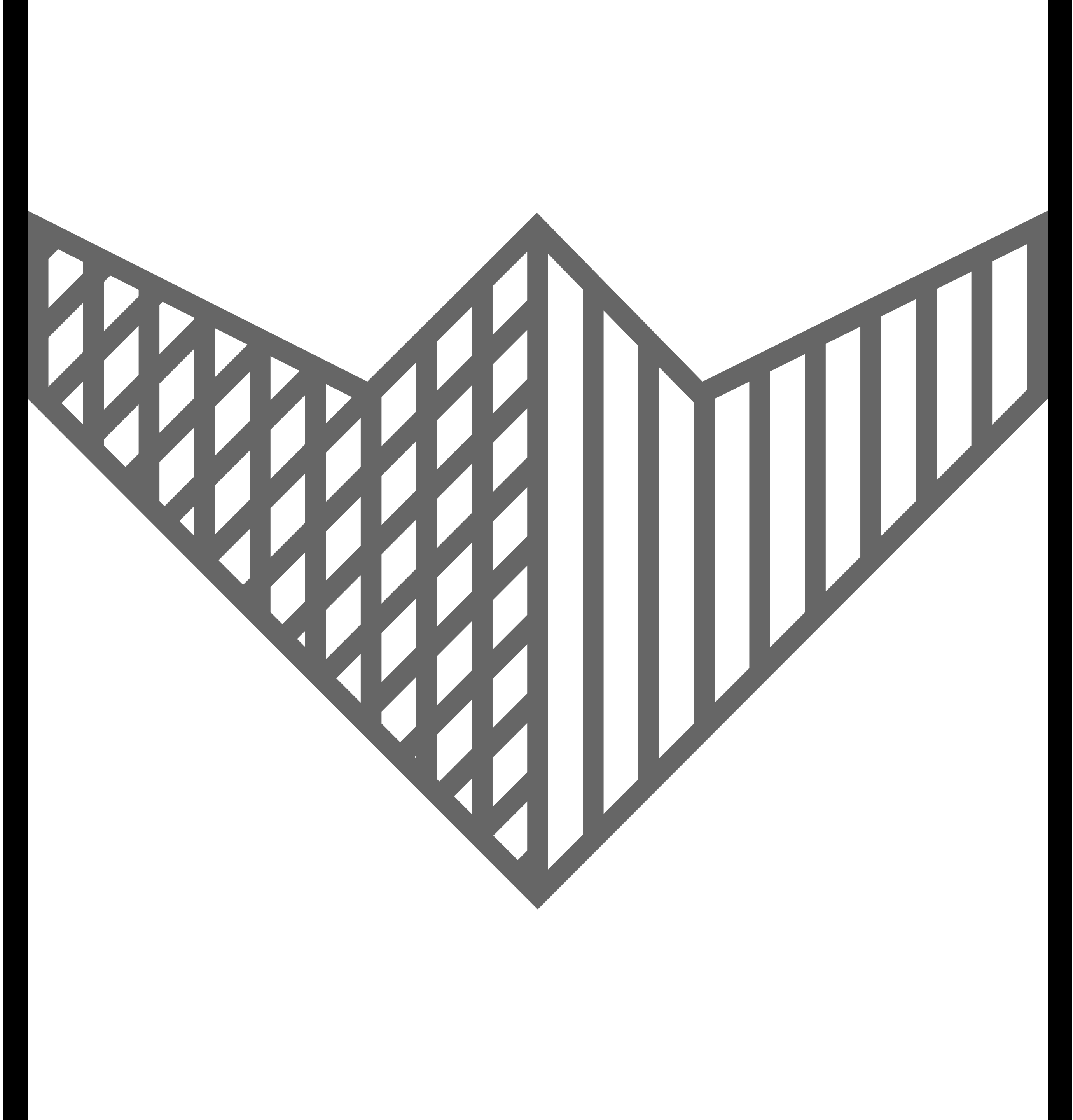
`preserveAspectRatio="xMinYMin slice"`

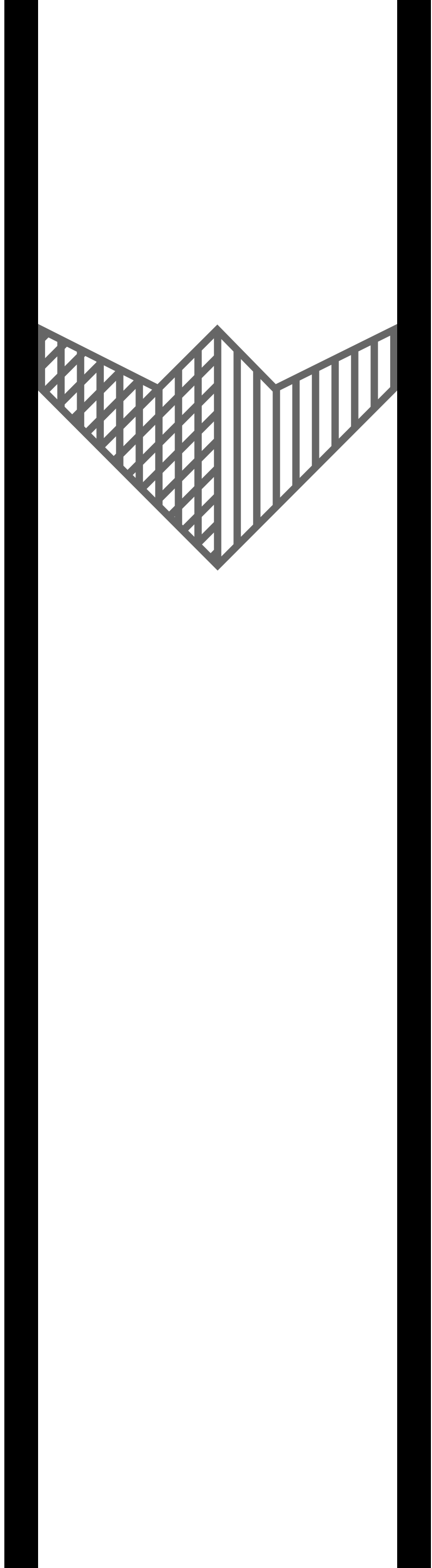
```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMinYMin meet">  
</svg>
```

viewport



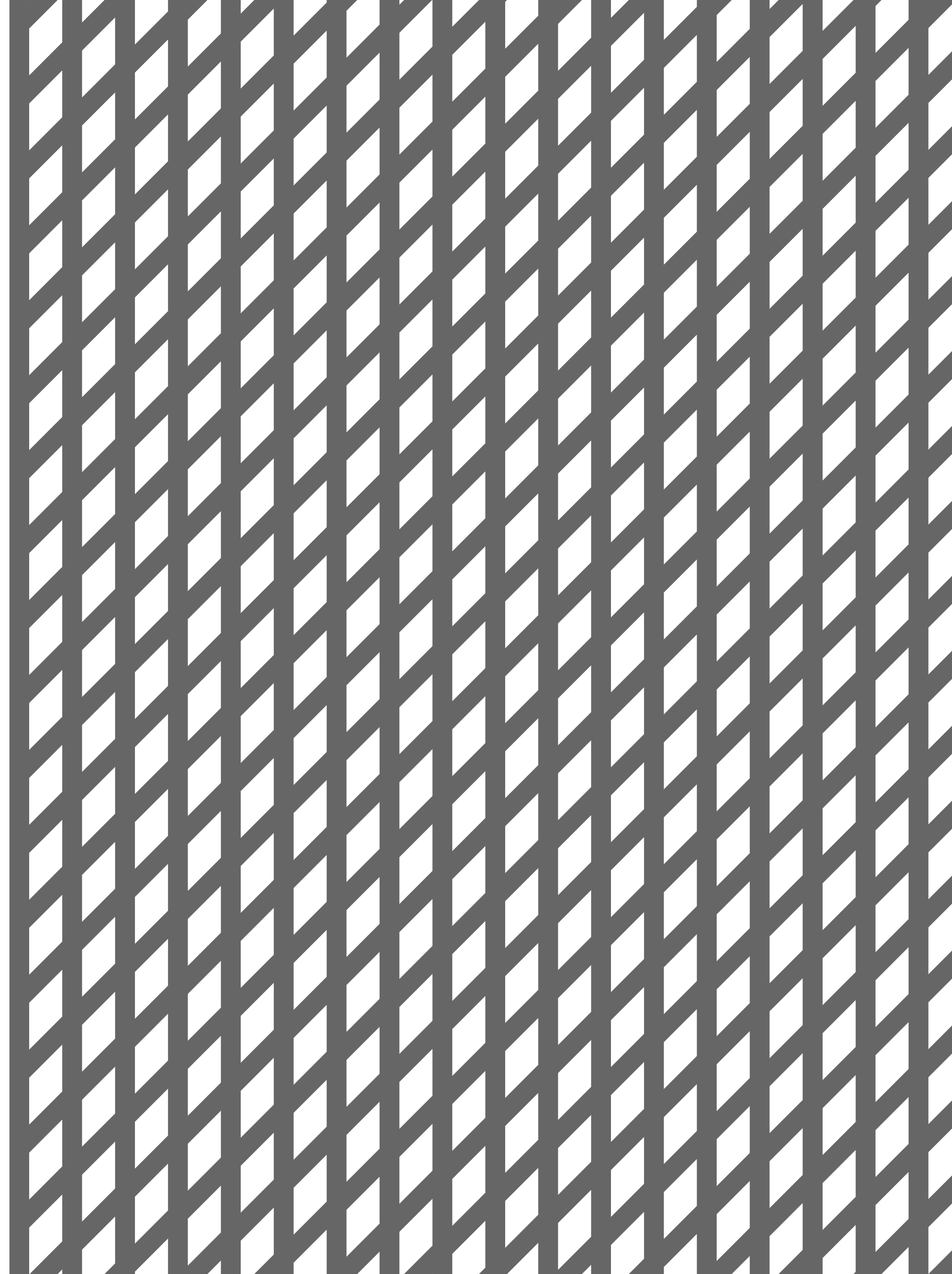
`preserveAspectRatio="xMinYMin meet"`





```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMinYMin meet">  
</svg>
```


SVG
and **A11Y**



```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMinYMin meet">  
  <title>Descriptive Title</title>  
</svg>
```



```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMinYMin meet">  
  <title>SVG Title</title>  
  <desc>SVG Description</desc>  
</svg>
```

```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMinYMin meet">  
  <title>SVG Title</title>  
  <desc>SVG Description</desc>  
  
  <g></g>  
</svg>
```

```
<svg width="300px" height="200px"
      viewBox="0,0,10,10"
      preserveAspectRatio="xMinYMin meet">
  <title>SVG Title</title>
  <desc>SVG Description</desc>

  <g>
    <title>Group Title</title>
  </g>
</svg>
```



```
<svg width="300px" height="200px"
      viewBox="0,0,10,10"
      preserveAspectRatio="xMinYMin meet">
  <title>SVG Title</title>
  <desc>SVG Description</desc>

  <g>
    <title>Group Title</title>
    <desc>Group description</desc>
  </g>
</svg>
```

```
<svg width="300px" height="200px"  
      viewBox="0,0,10,10"  
      preserveAspectRatio="xMinYMin meet">
```

```
<title>SVG Title</title>
```

```
<desc>SVG Description</desc>
```

```
<g>
```

```
  <title>Group Title</title>
```

```
  <desc>Group description</desc>
```

```
</g>
```

```
</svg>
```

TIME FOR CODE