SVG анимация

Чередниченко Антон

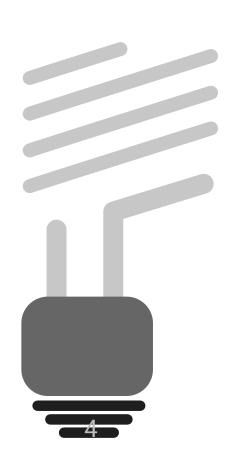
Frontend-разарботчик







CSS анимация



CSS анимация

stroke-dasharray

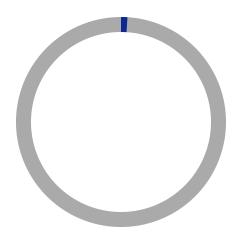
```
........
```

stroke-dashoffset

.........

```
<svg>
     <path
        stroke-dasharray="10 5"
        stroke-dashoffset="10"
        d="M0 10H215"
        stroke="#000"
        stroke-width="20"
        />
</svg>
```

CSS анимация



```
.svg-animation {
    stroke-dasharray: 613px;
    animation: circle 5s infinite;
}
@keyframes circle {
    from {
        stroke-dashoffset: 613px;
    }
    to: {
        stroke-dashoffset: 0px;
    }
}
```

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JS анимация

- GreenSock
- SVG.js
- Snap.svg
- Bonsai.js
- Paper.js
- vivus



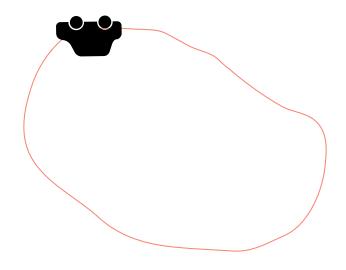


Synchronized Multimedia Integration Language (SMIL) анимация

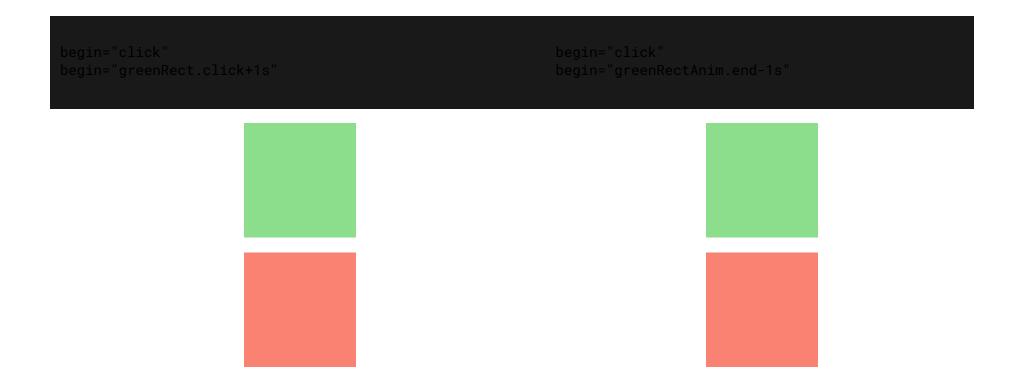
```
<svg>
     <animateTransform ... />
        <animateMotion ... />
        <animate ... />
        <animate ... />
</svg>
```



```
type="translate | scale | rotate | skewX | skewY"
```



```
begin="0s"
begin="0s;1s;3s;4s;"
//
begin="click"
begin="click+2s"
begin="redRect.click"
begin="redRect.click+2s"
//
begin="redRectAnim.begin+2s"
begin="redRectAnim.end+2s"
begin="redRectAnim.end-2s"
begin="redRectAnim.repeat(2)"
```





calcMode="linear | discrete | paced | spline"

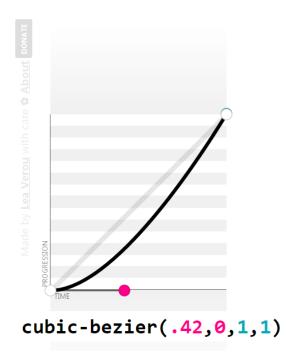
linear discrete paced



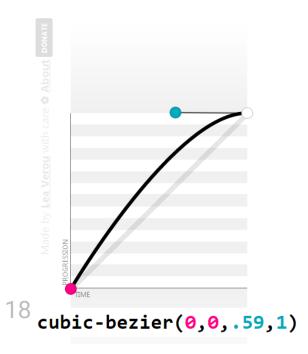
keySplines="0.42 0 1 1; 0 0 0.59 1;"

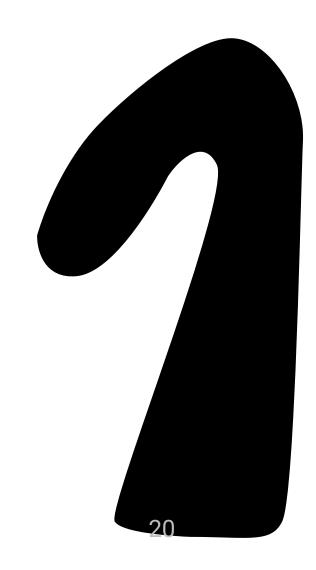
keySplines generator

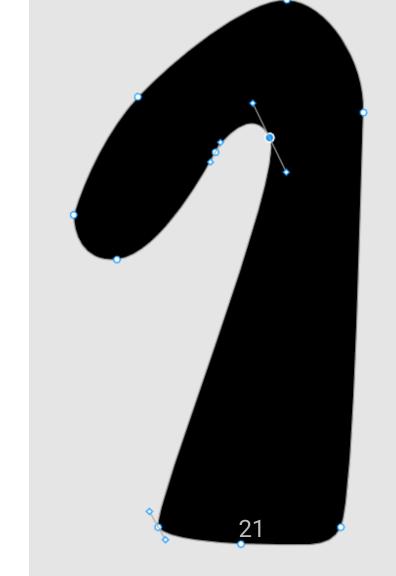
ease-in



ease-out







Спасибо за внимание!

