

nb_svg

July 2, 2023

1 Javascript library in a notebook: svg

Tries `svg` in a notebook. Example from [tutorials](#).

```
[1]: from jyquickhelper import RenderJS
css = None
libs = ['http://www.xavierdupre.fr/js/svg/svg.min.js']
script = """
var divElement = document.querySelector('#__ID__);
divElement.innerHTML = '<svg id="draw"></svg>';

var canvas = SVG('draw').size('600', '300')
, rect = canvas.rect(5, 5)
, path = canvas.path("M 340,178 104,478 580,490 Z")
, length = path.length()

path.fill('none').stroke({width:1, color: '#ccc'}).move(10,10).scale(0.5)
path.animate(3000).rotate(365).loop()

rect.animate(5000, '<>').during(function(pos, morph, eased){
    var m = path.matrixify()
    var p = new SVG.Point(path.pointAt(eased * length)).transform(m)
    rect.move(p.x, p.y)
}).loop(true, true)
"""

jr = RenderJS(script, css=css, libs=libs)
jr
```

```
[1]: <jyquickhelper.jspy.render_nb_js.RenderJS at 0x28986bebba8>
```

```
[2]: print(jr._repr_html_())
```

```
<div id="M17ee07c6e08343709568c85737ccb6da-cont"><div
id="M17ee07c6e08343709568c85737ccb6da"
style="width:100%;height:100%;"></div></div>
<script>

require(['http://www.xavierdupre.fr/js/svg/svg.min.js'], function() {
var divElement = document.querySelector('#M17ee07c6e08343709568c85737ccb6da');
divElement.innerHTML = '<svg id="draw"></svg>';

var canvas = SVG('draw').size('600', '300')
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, rect = canvas.rect(5, 5)
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  var p = new SVG.Point(path.pointAt(eased * length)).transform(m)
  rect.move(p.x, p.y)
}).loop(true, true)
};

</script>
```

[3] :