

Demo

save

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In olden times when wishing still helped one, there lived a king whose daughters were all beautiful; and the youngest was so beautiful that the sun itself, which has seen so much, was astonished whenever it shone in her face. Close by the king's castle lay a great dark forest, and under an old lime-tree in the forest was a well, and when the day was very warm, the king's child went out into the forest and sat down by the fountain, and when she was bored she took a golden ball, and threw it up on high and caught it, and this ball was her favorite plaything.

-0.142
-0.198
0.172
-0.306
0.025
0.066
-0.038
0.072
-0.007
0.010

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```
Workspace  
$s = $morph('slider')  
connect($s, 'value', {  
  tex: $morph('TextText'),  
  liv: $morph('LivelyText'),  
  src: $morph('source'),  
  setPercent: function(p) {  
    var numChr = (this.src.textString.length * p/10).roundTo(1);  
    var newStr = this.src.textString.slice(0, numChr);  
    var selRange = this.liv.selectionRange;  
    this.liv.updateTextString(newStr);  
    this.liv.selectionRange = [0, numChr];  
    this.liv.emphasizeSelection({align: 'just', full: true});  
    this.liv.selectionRange = selRange;  
    this.tex.updateTextString(newStr);  
  }, 'setPercent');  
disconnectAll($s)  
$s.setAttributeConnections  
delete $s.setAttributeConnections  
module('projects.Tex.Tex').load()  
$m = $morph('TextText');  
$m = $morph('LivelyText');  
$m = $morph('source');  
$m.renderText($m.textTopLeft(), {undefined: $m.compositionWidth()});  
$m.resetFontSize();  
$m.setWidthLayers();  
$m.setWidthLayers([TexLayer]);  
$m.setWidthLayers([TexLayer, TexRatioVisualizationLayer]);  
$m.setWidthLayers([TexLayer, TexBoxVisualizationLayer]);  
$m.setWidthLayers([TexLayer, TexToleranceVisualizationLayer]);  
$m.setWidthLayers([TexLayer, TexBoxVisualizationLayer, TexToleranceVisualizationLayer]);  
$m.setWidthLayers();
```

In olden times when wishing still helped one, there lived a king whose daughters were all beautiful, and the youngest was so beautiful that the sun itself, which has seen so much, was astonished whenever it shone in her face. Close by the king's castle lay a great dark forest, and under an old lime-tree in the forest was a well, and when the day was very warm, the king's child went out to the forest and sat down by the fountain, and when she was bored she took a golden ball, and threw it up on high and caught it, and this ball was her favorite plaything.

```
Visualizing Ratio  
createClass('TexRatioVisualizationLayer');  
console.log('TexRatioVisualizationLayer loaded.');
```

```
Visualizing Boxes  
createClass('TexRatioVisualizationLayer_TextMorph', {  
  renderText: function(proceed, t, w) {  
    proceed(textContent);  
    var y = this.topLeft.y + this.currentFont.getBaselineHeight();  
    var x = this.topLeft.x + this.compositionWidth * 10;  
    var rnode = NodeFactory.create('tspan');  
    textContent.rawNode.appendChild(rnode);  
    rnode.appendChild(NodeFactory.createText(''+this.ratio.toFixed(3)));  
    rnode.setAttributeNS(null, 'x', x);  
    rnode.setAttributeNS(null, 'y', y);  
  }  
});  
createClass('TexRatioVisualizationLayer_TextMorph', {  
  renderText: function(proceed, t, w) {  
    var result;  
    withLayers([TexRatioVisualizationLayer] function() { result = proceed(t, w); });  
    return result;  
  }  
});
```

```
Visualizing Tolerance  
createClass('TexToleranceVisualizationLayer_TextMorph', {  
  renderText: function(proceed, t, w) {  
    var result;  
    var result;  
    result = proceed(t, w);  
    var x = t.x;  
    var rnode = NodeFactory.create('tspan');  
    this.textContent.rawNode.appendChild(rnode);  
    rnode.appendChild(NodeFactory.createText(''+this.net.config.tolerance));  
    rnode.setAttributeNS(null, 'x', x);  
    rnode.setAttributeNS(null, 'y', y);  
    return result;  
  }  
});  
d() {  
  box([this.removeMorph(box), this];
```