Sketchpad.js cheatsheet

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*///////////////////////*

ELEMENT

CONSTRUCTORS

(none)

METHODS (most of these are internal, avoid using them!) --> apply underscore prefixes?

Element.addParent(element0, element1...)

Element.addChild(element)

Element.updateChildren()

Element.checkStates()

Element.setVisible(**boolean**)

Element.setStyle(style)

*///////////////////////*

POINT

CONSTRUCTORS

**new** Point(number, number)

Point.along(line, number)

Point.along(circle, number)

Point.along(line, measure)

*// Point.along(circle, measure) --> todo*

Point.along(line, numericSet)

Point.along(circle, numericSet)

Point.projection(point, line)

Point.projection(point, circle)

Point.intersection(line, line)

Point.intersection(line, circle) *// and viceversa*

Point.intersection(circle, circle)

METHODS

Point.setPosition(number, number)

Point.move(number, number)

*///////////////////////*

LINE

CONSTRUCTORS

**new** Line(number, number, number, number) *// xy0, xy1*

Line.between(point, point)

Line.polar(point, number, number) *// startPoint, length, angle*

Line.polar(point, measure, number)

*// Line.polar(point, measure, measure) --> todo*

METHODS

(none)

*///////////////////////*

CIRCLE

CONSTRUCTORS

**new** Circle(number, number, number) *// x, y, radius*

Circle.centerRadius(point, number)

Circle.centerRadius(point, measure)

METHODS

Circle.setRadius(number)

*///////////////////////*

MEASURE

CONSTRUCTORS

Measure.distance(point, point)

METHODS

(none)

*///////////////////////*

SET

CONSTRUCTORS

Set.range(number, number, number) *// start, end, steps*

Set.sequence(number, number, number) *// start, stepSize, count)*

METHODS

Set.setItems(JSArray, number) *// objects, subtype as pad.C.FOO constant*

STYLE

CONSTRUCTORS

**new** Style({

stroke: '',

strokeWidth: ''

fill: ''

})

METHODS

Style.applyTo(element0, element1...)