

Unstructured Graphics

collage : Int-> Int-> List Form -> Element

(v1.1.0) Graphics.Collage



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Creating Forms

filled: Color-> Shape -> Form

Creating Forms (cont)

gradient : Gradient -> Shape -> Form



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Creating Forms (cont)

outlined : LineStyle -> Shape -> Form

Creating Forms (cont)

textured : String -> Shape -> Form



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Creating Forms (cont)

toForm : Element -> Form

Creating Forms (cont)

traced : LineStyle -> Path -> Form

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Grouping Forms

group: List Form -> Form

Grouping Forms (cont)

groupTransform : Transform2D -> List Form -> Form

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Shapes

circle: Float-> Shape

circle(radius)

Shapes (cont)

ngon: Int-> Float-> Shape

ngon(sides, radius)



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Shapes (cont)

oval: Float-> Float-> Shape

oval(width, height)

Shapes (cont)

polygon: List (Float, Float) -> Shape

Specify a list of points of the polygon. Shape will automatically

close



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Shapes (cont)

rect : Float -> Float -> Shape

rect(width, height)

Shapes (cont)

square : Float -> Shape
| square(edge_length)

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Images

image : Int -> Int -> String -> Element

image(width, height, src)

Images (cont)

fittedImage : Int -> Int -> String -> Element

fittedImage(width, height, src)



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Images (cont)

croppedImage : (Int, Int) -> Int -> Int -> String -> Element

croppedImage(origin, width, height, src)

Images (cont)

tiledImage : Int -> Int -> String -> Element

tiledImage(width, height, src)

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Element Inspection

Element Inspection (cont)

widthOf: Element -> Int

heightOf: Element -> Int



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Element Inspection (cont)

sizeOf : Element -> (Int, Int)

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Layout Aliases

layers : List ELement -> Element

layers == flow outward



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Layout Aliases (cont)

above : Element -> Element

a above b

Layout Aliases (cont)

below : Element -> Element -> Element

a below b



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Layout Aliases (cont)

beside : Element -> Element -> Element

a beside b

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Layout

flow: Direction -> List Element -> Element



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Layout (cont)		Layout (cont)	
right : Direction	+X	up : Direction	+Y



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 Layout (cont)
 Layout (cont)

 outward : Direction
 +Z
 left : Direction
 -X



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Layout (cont)		Layout (cont)	
down: Direction	-Y	inward : Direction	-Z
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Transforming Forms

alpha: Float-> Form -> Form

Transforming Forms (cont)

move : (Float, Float) -> Form -> Form



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Transforming Forms (cont)

Transforming Forms (cont)

moveX : Float -> Form -> Form

moveY : Float -> Form -> Form



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Transforming Forms (cont)

rotate : Float -> Form -> Form

Transforming Forms (cont)

scale: Float -> Form -> Form

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Paths

segment : (Float, Float) -> (Float, Float) -> Path

Paths (cont)

path : List (Float, Float) -> Path

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Line Style Types

Line Style Types (cont)

type alias LineStyle = {

> color.Color,



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Line Style Types (cont)

Line Style Types (cont)

> width:Float,

> cap:LineCap,



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Line Style Types (cont)

Line Style Types (cont)

> join:LineJoin,

> dashing.List Int,



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Line Style Types (cont)

Line Style Types (cont)

> dashOffset.Int

> }



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Line Style Types (cont)

Line Style Types (cont)

> type LineCap

> = Flat



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Line Style Types (cont)

Line Style Types (cont)

> | Round

> | Padded



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Line Style Types (cont)

Line Style Types (cont)

> type LineJoin

> = Smooth



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Line Style Types (cont)

> | Sharp Float

Line Style Types (cont)

> | Clipped

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Line Styles

Line Styles (cont)

dashed: Color-> LineStyle

defaultLine: LineStyle



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Line Styles (cont)

dotted : Color -> LineStyle

Line Styles (cont)

solid : Color -> LineStyle

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Element Styling

width: Int-> Element-> Element

Element Styling (cont)

height : Int -> Element -> Element



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Element Styling (cont)

size : Int-> Int-> Element-> Element

Element Styling (cont)

color : Color -> Element -> Element



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Element Styling (cont)

opacity: Float-> Element-> Element

opacity (0.0:transparent - 1.0:opaque)

Element Styling (cont)

link: String -> Element -> Element

create Element that is a hyper-link



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Element Styling (cont)

tag : String -> Element -> Element

similar to <a> with ID

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Positioning Elements

empty: Element

flow down [img1, if showMore then img2 else empty



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Positioning Elements (cont)

spacer : Int -> Int -> Element

Empty Box

Positioning Elements (cont)

container : Int -> Int -> Position -> Element -> Element

Put an element in a container. By setting the color of the

container, you can create borders.

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Named Positions

topLeft : Position

Named Positions (cont)

> midTop : Position



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Named Positions (cont)

> topRight : Position

Named Positions (cont)



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Named Positions (cont)

Named Positions (cont)

> midLeft : Position

> middle : Position



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Named Positions (cont)

> midRight : Position

Named Positions (cont)



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Named Positions (cont)

> bottomLeft : Position

Named Positions (cont)

> midBottom: Position



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Named Positions (cont)

> bottomRight : Position

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