## Vector2D< float > + X + y + Vector2D() + Vector2D() + Vector2D() + operator+() + operator+=() + operator-() + operator-=() + operator\*() + operator\*=() + operator/() + operator/=() + operator==() + operator!=() + operator=() + operator Gdiplus::Point() + operator Gdiplus::PointF() + operator Gdiplus::Size() + operator Gdiplus::SizeF()

+ operator POINT()

| SVGColor                    |
|-----------------------------|
| + r                         |
| + g                         |
| + b                         |
| + a                         |
| + SVGColor()                |
| + SVGColor()                |
| + SVGColor()                |
| + SVGColor()                |
| + operator=()               |
| + SVGColor()                |
| + fromHSL()                 |
| + operator Gdiplus::Color() |
| + output()                  |
| + alpha()                   |
| <u> </u>                    |

Gradient

+ Gradient()
+ Gradient()
+ Gradient()
+ getType()
+ dbg()
+ setID()
+ getID()
+ setTransforms()
+ addTransform()
+ getTransforms()
+ setStops()
+ addStop()
+ getStops()
+ setUnits()

+ getUnits()

#gradient

#position

#fillColor #strokeColor

Element

# strokeWidth

# transformation

- + ~Element()
- + getTypeName()
- + dbg()
- + getBoundingBox()
- + setPosition()
- + setPosition()
- + getPosition()
- + setFillColor()
- + getFillColor()
- + setStrokeColor()
- + getStrokeColor()
- + setStrokeWidth()
- + getStrokeWidth()
- + addTransformation()
- + setTransformation()
- + getTransformation()
- + setGradient()
- + getGradient()
- + setParent()
- + getParent()
- # Element()
- # Element()
- # Element()

#parent

## **SVGLine**

- + SVGLine()
- + SVGLine()
- + SVGLine()
- + getTypeName()
- + dbg()
- + getBoundingBox()
- + setEndPosition()
- + getEndPosition()
- + getSlope()
- + isIntersect()
  + getIntersected()