

APPENDIX D

SVG Document Object Model (DOM)

This appendix covers all exceptions and interfaces in the SVG 1.0 DOM (svg module) in alphabetical order. For each, the inherited interfaces as well as the constants, properties, and methods are listed. Also, any case where an exception might be thrown when a property is set or a method executed is listed.

NOTE

You can find the full specification of the SVG 1.0 DOM at <http://www.w3.org/TR/SVG/svgdom.html>.

The SVG 1.0 DOM requires support for the following Document Object Model modules:

- DOM2 Core (<http://www.w3.org/TR/DOM-Level-2-Core>)
- DOM2 Views (<http://www.w3.org/TR/DOM-Level-2-Views>)
- DOM2 Events Model, partial (<http://www.w3.org/TR/DOM-Level-2-Events/events.html>)
- DOM2 Style Sheets, optional (<http://www.w3.org/TR/DOM-Level-2-Style>)
- DOM2 CSS, optional and partial (<http://www.w3.org/TR/DOM-Level-2-Style/css.html>)
- DOM2 Traversal, optional (<http://www.w3.org/TR/DOM-Level-2-Traversal-Range/traversal.html>)
- DOM2 Range, optional (<http://www.w3.org/TR/DOM-Level-2-Traversal-Range/ranges.html>)

Module SVG

DOMString, DOMException, Element, Document, and NodeList are imported from the DOM2 Core.

The :: symbol denotes other interfaces that are imported from other modules.

Exception SVGException

Constants

unsigned short code

Exception Codes

Constants

unsigned short SVG_WRONG_TYPE_ERR, value = 0

unsigned short SVG_INVALID_VALUE_ERR, value = 1

unsigned short SVG_MATRIX_NOT_INVERTABLE, value = 2

Interface GetSVGDocument

Methods

SVGDocument getSVGDocument(), raises: DOMException

Interface SVGElement

Inherits

SVGElement

SVGURIReference

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

Properties

read-only SVGAnimatedString target

Interface SVGAltGlyphDefElement

Inherits

SVGElement

Interface SVGAltGlyphElement

Inherits

SVGTextPositioningElement

SVGURIReference

Properties

DOMString glyphRef, raises DOMException on setting

DOMString format, raises DOMException on setting

Interface SVGAltGlyphItemElement

Inherits

SVGElement

Interface SVGAngle

Constants

unsigned short SVG_ANGLETYPE_UNKNOWN, value = 0

unsigned short SVG_ANGLETYPE_UNSPECIFIED, value = 1

unsigned short SVG_ANGLETYPE_DEG, value = 2

unsigned short SVG_ANGLETYPE_RAD, value = 3

unsigned short SVG_ANGLETYPE_GRAD, value = 4

Properties

read-only unsigned short unitType

float value, raises DOMException on setting

float valueInSpecifiedUnits, raises DOMException on setting

DOMString valueAsString, raises DOMException on setting

Methods

void newValueSpecifiedUnits (unsigned short unitType, float valueInSpecifiedUnits)

void convertToSpecifiedUnits (unsigned short unitType)



Interface SVGAnimateColorElement

Inherits

SVGAnimationElement

Interface SVGAnimatedAngle

Properties

read-only SVGAngle baseVal

read-only SVGAngle animVal

Interface SVGAnimatedBoolean

Properties

boolean baseVal, raises DOMException on setting

read-only boolean animVal

Interface SVGAnimatedEnumeration

Properties

unsigned short baseVal, raises DOMException on setting

read-only unsigned short animVal

Interface SVGAnimatedInteger

Properties

long baseVal, raises DOMException on setting

read-only long animVal

Interface SVGAnimatedLength

Properties

read-only SVGLength baseVal

read-only SVGLength animVal

Interface SVGAnimatedLengthList

Properties

read-only SVGLengthList baseVal

read-only SVGLengthList animVal

Interface SVGAnimatedNumber

Properties

float baseVal, raises DOMException on setting

read-only float animVal

Interface SVGAnimatedNumberList

Properties

read-only SVGNumberList baseVal

read-only SVGNumberList animVal

Interface SVGAnimatedPathData

Properties

read-only SVGPathSegList pathSegList

read-only SVGPathSegList normalizedPathSegList

read-only SVGPathSegList animatedPathSegList

read-only SVGPathSegList animatedNormalizedPathSegList

Interface SVGAnimatedPoints

Properties

read-only SVGPointList points

read-only SVGPointList animatedPoints

Interface SVGAnimatedPreserveAspectRatio

Properties

read-only SVGPreserveAspectRatio baseVal

read-only SVGPreserveAspectRatio animVal

Interface SVGAnimatedRect

Properties

read-only SVGRect baseVal

read-only SVGRect animVal



Interface SVGAnimatedString

Properties

DOMString baseVal, raises DOMException on setting

read-only DOMString animVal

Interface SVGAnimatedTransformList

Properties

read-only SVGTransformList baseVal

read-only SVGTransformList animVal

Interface SVGAnimateElement

Inherits

SVGAnimationElement

Interface SVGAnimateMotionElement

Inherits

SVGAnimationElement

Interface SVGAnimateTransformElement

Inherits

SVGAnimationElement

Interface SVGAnimationElement

Inherits

SVGElement

SVGTests

SVGExternalResourcesRequired

smil::ElementTimeControl

events::EventTarget

Properties

read-only SVGElement targetElement

Methods

float `getStartTime()`

float `getCurrentTime()`

float `getSimpleDuration()`, raises: `DOMException`

Interface `SVGCircleElement`**Inherits**

`SVGElement`

`SVGTests`

`SVGLangSpace`

`SVGExternalResourcesRequired`

`SVGStylable`

`SVGTransformable`

`events::EventTarget`

Properties

read-only `SVGAnimatedLength` `cx`

read-only `SVGAnimatedLength` `cy`

read-only `SVGAnimatedLength` `r`

Interface `SVGClipPathElement`**Inherits**

`SVGElement`

`SVGTests`

`SVGLangSpace`

`SVGExternalResourcesRequired`

`SVGStylable`

`SVGTransformable`

`SVGUnitTypes`

Properties

read-only `SVGAnimatedEnumeration` `clipPathUnits`



Interface SVGColor

Inherits

css::CSSValue

Constants

unsigned short SVG_COLORTYPE_UNKNOWN, value = 0

unsigned short SVG_COLORTYPE_RGBCOLOR, value = 1

unsigned short SVG_COLORTYPE_RGBCOLOR_ICCCOLOR, value = 2

unsigned short SVG_COLORTYPE_CURRENTCOLOR, value = 3

Properties

read-only unsigned short colorType

read-only css::RGBColor rgbColor

read-only SVGICCColor iccColor

Methods

void setRGBColor (DOMString rgbColor), raises: SVGException

void setRGBColorICCColor (DOMString rgbColor, DOMString iccColor), raises:
SVGException

void setColor (unsigned short colorType, DOMString rgbColor, DOMString iccColor),
raises: SVGException

Interface SVGColorProfileElement

Inherits

SVGElement

SVGURIReference

SVGRenderingIntent

Properties

DOMString local, raises DOMException on setting

DOMString name, raises DOMException on setting

unsigned short renderingIntent, raises DOMException on setting

Interface SVGColorProfileRule

Inherits

SVGCSSRule

SVGRenderingIntent

Properties

DOMString src, raises DOMException on setting

DOMString name, raises DOMException on setting

unsigned short renderingIntent, raises DOMException on setting

Interface SVGComponentTransferFunctionElement

Inherits

SVGElement

Constants

unsigned short SVG_FECOMPONENTTRANSFER_TYPE_UNKNOWN, value = 0

unsigned short SVG_FECOMPONENTTRANSFER_TYPE_IDENTITY, value = 1

unsigned short SVG_FECOMPONENTTRANSFER_TYPE_TABLE, value = 2

unsigned short SVG_FECOMPONENTTRANSFER_TYPE_DISCRETE, value = 3

unsigned short SVG_FECOMPONENTTRANSFER_TYPE_LINEAR, value = 4

unsigned short SVG_FECOMPONENTTRANSFER_TYPE_GAMMA, value = 5

Properties

read-only SVGAnimatedEnumeration type

read-only SVGAnimatedNumberList tableValues

read-only SVGAnimatedNumber slope

read-only SVGAnimatedNumber intercept

read-only SVGAnimatedNumber amplitude

read-only SVGAnimatedNumber exponent

read-only SVGAnimatedNumber offset

Interface SVGCSSRule

Inherits

css::CSSRule



Constants

unsigned short COLOR_PROFILE_RULE, value = 7

Interface SVGCursorElement

Inherits

SVGElement

SVGURIReference

SVGTests

SVGExternalResourcesRequired

Properties

read-only SVGAnimatedLength x

read-only SVGAnimatedLength y

Interface SVGDefinitionSrcElement

Inherits

SVGElement

Interface SVGDefsElement

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

Interface SVGDescElement

Inherits

SVGElement

SVGLangSpace

SVGStylable

Interface SVGDocument

Inherits

Document

events::DocumentEvent

Properties

read-only DOMString title

read-only DOMString referrer

read-only DOMString domain

read-only DOMString URL

read-only SVGSVGElement rootElement

Interface SVGElement

Inherits

Element

Properties

DOMString id, raises DOMException on setting

DOMString xmlbase, raises DOMException on setting

read-only SVGSVGElement ownerSVGElement

read-only SVGElement viewportElement

Interface SVGElementInstance

Inherits

events::EventTarget

Properties

read-only SVGElement correspondingElement

read-only SVGUseElement correspondingUseElement

read-only SVGElementInstance parentNode

read-only SVGElementInstanceList childNodes

read-only SVGElementInstance firstChild

read-only SVGElementInstance lastChild

read-only SVGElementInstance previousSibling

read-only SVGElementInstance nextSibling



Interface **SVGElementInstanceList**

Properties

read-only unsigned long length

Methods

SVGElementInstance item (unsigned long index)

Interface **SVGEllipseElement**

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

Properties

read-only SVGAnimatedLength cx

read-only SVGAnimatedLength cy

read-only SVGAnimatedLength rx

read-only SVGAnimatedLength ry

Interface **SVGEvent**

Inherits

events::Event

Interface **SVGExternalResourcesRequired**

Properties

read-only SVGAnimatedBoolean externalResourcesRequired

Interface **SVGFEBlendElement**

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Constants

unsigned short SVG_FEBLEND_MODE_UNKNOWN, value = 0

unsigned short SVG_FEBLEND_MODE_NORMAL, value = 1

unsigned short SVG_FEBLEND_MODE_MULTIPLY, value = 2

unsigned short SVG_FEBLEND_MODE_SCREEN, value = 3

unsigned short SVG_FEBLEND_MODE_DARKEN, value = 4

unsigned short SVG_FEBLEND_MODE_LIGHTEN, value = 5

Properties

read-only SVGAnimatedString in1

read-only SVGAnimatedString in2

read-only SVGAnimatedEnumeration mode

Interface SVGFEColorMatrixElement**Inherits**

SVGElement

SVGFilterPrimitiveStandardAttributes

Constants

unsigned short SVG_FECOLORMATRIX_TYPE_UNKNOWN, value = 0

unsigned short SVG_FECOLORMATRIX_TYPE_MATRIX, value = 1

unsigned short SVG_FECOLORMATRIX_TYPE_SATURATE, value = 2

unsigned short SVG_FECOLORMATRIX_TYPE_HUERotate, value = 3

unsigned short SVG_FECOLORMATRIX_TYPE_LUMINANCETOALPHA, value = 4

Properties

read-only SVGAnimatedString in1

read-only SVGAnimatedEnumeration type

read-only SVGAnimatedNumberList values

Interface SVGFEComponentTransferElement**Inherits**

SVGElement

SVGFilterPrimitiveStandardAttributes

Properties

read-only SVGAnimatedString in1

Interface SVGFECompositeElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Constants

unsigned short SVG_FECOMPOSITE_OPERATOR_UNKNOWN, value = 0

unsigned short SVG_FECOMPOSITE_OPERATOR_OVER, value = 1

unsigned short SVG_FECOMPOSITE_OPERATOR_IN, value = 2

unsigned short SVG_FECOMPOSITE_OPERATOR_OUT, value = 3

unsigned short SVG_FECOMPOSITE_OPERATOR_ATOP, value = 4

unsigned short SVG_FECOMPOSITE_OPERATOR_XOR, value = 5

unsigned short SVG_FECOMPOSITE_OPERATOR_ARITHMETIC, value = 6

Properties

read-only SVGAnimatedString in1

read-only SVGAnimatedString in2

read-only SVGAnimatedEnumeration operator

read-only SVGAnimatedNumber k1

read-only SVGAnimatedNumber k2

read-only SVGAnimatedNumber k3

read-only SVGAnimatedNumber k4

Interface SVGFEConvolveMatrixElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Constants

unsigned short SVG_EDGEMODE_UNKNOWN, value = 0

unsigned short SVG_EDGEMODE_DUPLICATE, value = 1

unsigned short SVG_EDGEMODE_WRAP, value = 2

unsigned short SVG_EDGEMODE_NONE, value = 3

Properties

read-only SVGAnimatedInteger orderX

read-only SVGAnimatedInteger orderY

read-only SVGAnimatedNumberList kernelMatrix

read-only SVGAnimatedNumber divisor

read-only SVGAnimatedNumber bias

read-only SVGAnimatedInteger targetX

read-only SVGAnimatedInteger targetY

read-only SVGAnimatedEnumeration edgeMode

read-only SVGAnimatedNumber kernelUnitLengthX

read-only SVGAnimatedNumber kernelUnitLengthY

read-only SVGAnimatedBoolean preserveAlpha

Interface SVGFEDiffuseLightingElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Properties

read-only SVGAnimatedString in1

read-only SVGAnimatedNumber surfaceScale

read-only SVGAnimatedNumber diffuseConstant

read-only SVGAnimatedNumber kernelUnitLengthX

read-only SVGAnimatedNumber kernelUnitLengthY

Interface SVGFEDisplacementMapElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes



Constants

unsigned short SVG_CHANNEL_UNKNOWN, value = 0

unsigned short SVG_CHANNEL_R, value = 1

unsigned short SVG_CHANNEL_G, value = 2

unsigned short SVG_CHANNEL_B, value = 3

unsigned short SVG_CHANNEL_A, value = 4

Properties

read-only SVGAnimatedString in1

read-only SVGAnimatedString in2

read-only SVGAnimatedNumber scale

read-only SVGAnimatedEnumeration xChannelSelector

read-only SVGAnimatedEnumeration yChannelSelector

Interface SVGFEDistantLightElement

Inherits

SVGElement

Properties

read-only SVGAnimatedNumber azimuth

read-only SVGAnimatedNumber elevation

Interface SVGFEFloodElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Properties

read-only SVGAnimatedString in1

Interface SVGFFuncAElement

Inherits

SVGComponentTransferFunctionElement

Interface SVGFEFuncBElement

Inherits

SVGComponentTransferFunctionElement

Interface SVGFEFuncGElement

Inherits

SVGComponentTransferFunctionElement

Interface SVGFEFuncRElement

Inherits

SVGComponentTransferFunctionElement

Interface SVGFEGaussianBlurElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Properties

read-only SVGAnimatedString in1

read-only SVGAnimatedNumber stdDeviationX

read-only SVGAnimatedNumber stdDeviationY

Methods

void setStdDeviation (float stdDeviationX, float stdDeviationY)

Interface SVGFEImageElement

Inherits

SVGElement

SVGURIReference

SVGLangSpace

SVGExternalResourcesRequired

SVGFilterPrimitiveStandardAttributes



Interface SVGFEMergeElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Interface SVGFEMergeNodeElement

Inherits

SVGElement

Properties

read-only SVGAnimatedString in1

Interface SVGFEMorphologyElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Constants

unsigned short SVG_MORPHOLOGY_OPERATOR_UNKNOWN, value = 0

unsigned short SVG_MORPHOLOGY_OPERATOR_ERODE, value = 1

unsigned short SVG_MORPHOLOGY_OPERATOR_DILATE, value = 2

Properties

read-only SVGAnimatedString in1

read-only SVGAnimatedEnumeration operator

read-only SVGAnimatedNumber radiusX

read-only SVGAnimatedNumber radiusY

Interface SVGFEOffsetElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Properties

read-only SVGAnimatedString in1

read-only SVGAnimatedNumber dx

read-only SVGAnimatedNumber dy

Interface SVGFEPointLightElement**Inherits**

SVGElement

Properties

read-only SVGAnimatedNumber x

read-only SVGAnimatedNumber y

read-only SVGAnimatedNumber z

Interface SVGFESpecularLightingElement**Inherits**

SVGElement

SVGFilterPrimitiveStandardAttributes

Properties

read-only SVGAnimatedString in1

read-only SVGAnimatedNumber surfaceScale

read-only SVGAnimatedNumber specularConstant

read-only SVGAnimatedNumber specularExponent

Interface SVGFESpotLightElement**Inherits**

SVGElement

Properties

read-only SVGAnimatedNumber x

read-only SVGAnimatedNumber y

read-only SVGAnimatedNumber z

read-only SVGAnimatedNumber pointsAtX



read-only SVGAnimatedNumber pointsAtY
read-only SVGAnimatedNumber pointsAtZ
read-only SVGAnimatedNumber specularExponent
read-only SVGAnimatedNumber limitingConeAngle

Interface SVGFETileElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Properties

read-only SVGAnimatedString in1

Interface SVGFETurbulenceElement

Inherits

SVGElement

SVGFilterPrimitiveStandardAttributes

Constants

unsigned short SVG_TURBULENCE_TYPE_UNKNOWN, value = 0
unsigned short SVG_TURBULENCE_TYPE_FRACTALNOISE, value = 1
unsigned short SVG_TURBULENCE_TYPE_TURBULENCE, value = 2
unsigned short SVG_STITCHTYPE_UNKNOWN, value = 0
unsigned short SVG_STITCHTYPE_STITCH, value = 1
unsigned short SVG_STITCHTYPE_NOSTITCH, value = 2

Properties

read-only SVGAnimatedNumber baseFrequencyX
read-only SVGAnimatedNumber baseFrequencyY
read-only SVGAnimatedInteger numOctaves
read-only SVGAnimatedNumber seed
read-only SVGAnimatedEnumeration stitchTiles
read-only SVGAnimatedEnumeration type

Interface SVGFilterElement

Inherits

SVGElement

SVGURIReference

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGUnitTypes

Properties

read-only SVGAnimatedEnumeration filterUnits

read-only SVGAnimatedEnumeration primitiveUnits

read-only SVGAnimatedLength x

read-only SVGAnimatedLength y

read-only SVGAnimatedLength width

read-only SVGAnimatedLength height

read-only SVGAnimatedInteger filterResX

read-only SVGAnimatedInteger filterResY

Methods

void setFilterRes (unsigned long filterResX, unsigned long filterResY)

Interface SVGFilterPrimitiveStandardAttributes

Inherits

SVGStylable

Properties

read-only SVGAnimatedLength x

read-only SVGAnimatedLength y

read-only SVGAnimatedLength width

read-only SVGAnimatedLength height

read-only SVGAnimatedString result



Interface SVGFitToViewBox

Properties

read-only SVGAnimatedRect viewBox

read-only SVGAnimatedPreserveAspectRatio preserveAspectRatio

Interface SVGFontElement

Inherits

SVGElement

SVGExternalResourcesRequired

SVGStylable

Interface SVGFontFaceElement

Inherits

SVGElement

Interface SVGFontFaceFormatElement

Inherits

SVGElement

Interface SVGFontFaceNameElement

Inherits

SVGElement

Interface SVGFontFaceSrcElement

Inherits

SVGElement

Interface SVGFontFaceUriElement

Inherits

SVGElement

Interface SVGForeignObjectElement

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

Properties

read-only SVGAnimatedLength x

read-only SVGAnimatedLength y

read-only SVGAnimatedLength width

read-only SVGAnimatedLength height

Interface SVGGElement

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

Interface SVGGlyphElement

Inherits

SVGElement

SVGStylable

Interface SVGGlyphRefElement

Inherits

SVGElement

SVGURIReference

SVGStylable



Properties

DOMString glyphRef, raises DOMException on setting

DOMString format, raises DOMException on setting

float x, raises DOMException on setting

float y, raises DOMException on setting

float dx, raises DOMException on setting

float dy, raises DOMException on setting

Interface SVGGradientElement

Inherits

SVGElement

SVGURIReference

SVGExternalResourcesRequired

SVGStylable

SVGUnitTypes

Constants

unsigned short SVG_SPREADMETHOD_UNKNOWN, value = 0

unsigned short SVG_SPREADMETHOD_PAD, value = 1

unsigned short SVG_SPREADMETHOD_REFLECT, value = 2

unsigned short SVG_SPREADMETHOD_REPEAT, value = 3

Properties

read-only SVGAnimatedEnumeration gradientUnits

read-only SVGAnimatedTransformList gradientTransform

read-only SVGAnimatedEnumeration spreadMethod

Interface SVGHKernElement

Inherits

SVGElement

Interface SVGICCColor

Properties

DOMString colorProfile, raises DOMException on setting

read-only SVGNumberList colors

Interface SVGImageElement

Inherits

SVGElement

SVGURIReference

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

Properties

read-only SVGAnimatedLength x

read-only SVGAnimatedLength y

read-only SVGAnimatedLength width

read-only SVGAnimatedLength height

read-only SVGAnimatedPreserveAspectRatio preserveAspectRatio

Interface SVGLangSpace

Properties

DOMString xmllang, raises DOMException on setting

DOMString xmlspace, raises DOMException on setting

Interface SVGLength

Constants

unsigned short SVG_LENGTHTYPE_UNKNOWN, value = 0

unsigned short SVG_LENGTHTYPE_NUMBER, value = 1



unsigned short SVG_LENGTHTYPE_PERCENTAGE, value = 2

unsigned short SVG_LENGTHTYPE_EMS, value = 3

unsigned short SVG_LENGTHTYPE_EXS, value = 4

unsigned short SVG_LENGTHTYPE_PX, value = 5

unsigned short SVG_LENGTHTYPE_CM, value = 6

unsigned short SVG_LENGTHTYPE_MM, value = 7

unsigned short SVG_LENGTHTYPE_IN, value = 8

unsigned short SVG_LENGTHTYPE_PT, value = 9

unsigned short SVG_LENGTHTYPE_PC, value = 10

Properties

read-only unsigned short unitType

float value, raises DOMException on setting

float valueInSpecifiedUnits, raises DOMException on setting

DOMString valueAsString, raises DOMException on setting

Methods

void newValueSpecifiedUnits (unsigned short unitType, float valueInSpecifiedUnits)

void convertToSpecifiedUnits (unsigned short unitType)

Interface SVGLengthList

Properties

read-only unsigned long numberOfItems

Methods

void clear(), raises: DOMException

SVGLength initialize (SVGLength newItem), raises: DOMException, SVGException

SVGLength getItem (unsigned long index), raises: DOMException

SVGLength insertItemBefore (SVGLength newItem, unsigned long index), raises: DOMException, SVGException

SVGLength replaceItem (SVGLength newItem, unsigned long index), raises: DOMException, SVGException

SVGLength removeItem (unsigned long index), raises: DOMException

SVGLength appendItem (SVGLength newItem), raises: DOMException, SVGException

Interface SVGLinearGradientElement

Inherits

SVGGradientElement

Properties

read-only SVGAnimatedLength x1

read-only SVGAnimatedLength y1

read-only SVGAnimatedLength x2

read-only SVGAnimatedLength y2

Interface SVGLineElement

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

Properties

read-only SVGAnimatedLength x1

read-only SVGAnimatedLength y1

read-only SVGAnimatedLength x2

read-only SVGAnimatedLength y2

Interface SVGLocatable

Properties

read-only SVGElement nearestViewportElement

read-only SVGElement farthestViewportElement

Methods

SVGRect getBBox()

SVGMatrix getCTM()



SVGMatrix getScreenCTM()

SVGMatrix getTransformToElement (SVGElement element), raises: SVGException

Interface SVGMarkerElement

Inherits

SVGElement

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGFitToViewBox

Constants

unsigned short SVG_MARKERUNITS_UNKNOWN, value = 0

unsigned short SVG_MARKERUNITS_USERSPACEONUSE, value = 1

unsigned short SVG_MARKERUNITS_STROKEWIDTH, value = 2

unsigned short SVG_MARKER_ORIENT_UNKNOWN, value = 0

unsigned short SVG_MARKER_ORIENT_AUTO, value = 1

unsigned short SVG_MARKER_ORIENT_ANGLE, value = 2

Properties

read-only SVGAnimatedLength refX

read-only SVGAnimatedLength refY

read-only SVGAnimatedEnumeration markerUnits

read-only SVGAnimatedLength markerWidth

read-only SVGAnimatedLength markerHeight

read-only SVGAnimatedEnumeration orientType

read-only SVGAnimatedAngle orientAngle

Methods

void setOrientToAuto()

void setOrientToAngle (SVGAngle angle)

Interface SVGMaskElement

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGUnitTypes

Properties

read-only SVGAnimatedEnumeration maskUnits

read-only SVGAnimatedEnumeration maskContentUnits

read-only SVGAnimatedLength x

read-only SVGAnimatedLength y

read-only SVGAnimatedLength width

read-only SVGAnimatedLength height

Interface SVGMatrix

Properties

float a, raises DOMException on setting

float b, raises DOMException on setting

float c, raises DOMException on setting

float d, raises DOMException on setting

float e, raises DOMException on setting

float f, raises DOMException on setting

Methods

SVGMatrix multiply (SVGMatrix secondMatrix)

SVGMatrix inverse(), raises: SVGException

SVGMatrix translate (float x, float y)

SVGMatrix scale (float scaleFactor)

SVGMatrix scaleNonUniform (float scaleFactorX, float scaleFactorY)



SVGMatrix rotate (float angle)

SVGMatrix rotateFromVector (float x, float y), raises: SVGException

SVGMatrix flipX()

SVGMatrix flipY()

SVGMatrix skewX (float angle)

SVGMatrix skewY (float angle)

Interface SVGMetadataElement

Inherits

SVGElement

Interface SVGMissingGlyphElement

Inherits

SVGElement

SVGStylable

Interface SVGMPathElement

Inherits

SVGElement

SVGURIReference

SVGExternalResourcesRequired

Interface SVGNumber

Properties

float value, raises DOMException on setting

Interface SVGNumberList

Properties

read-only unsigned long numberOfItems

Methods

void clear(), raises: DOMException

SVGNumber initialize (SVGNumber newItem), raises: DOMException, SVGException

SVGNumber getItem (unsigned long index), raises: DOMException

SVGNumber insertItemBefore (SVGNumber newItem, unsigned long index), raises: DOMException, SVGException

SVGNumber replaceItem (SVGNumber newItem, unsigned long index), raises: DOMException, SVGException

SVGNumber removeItem (unsigned long index), raises: DOMException

SVGNumber appendItem (SVGNumber newItem), raises: DOMException, SVGException

Interface SVGPaint

Inherits

SVGColor

Constants

unsigned short SVG_PAINTTYPE_UNKNOWN, value = 0

unsigned short SVG_PAINTTYPE_RGBCOLOR, value = 1

unsigned short SVG_PAINTTYPE_RGBCOLOR_ICCCOLOR, value = 2

unsigned short SVG_PAINTTYPE_NONE, value = 101

unsigned short SVG_PAINTTYPE_CURRENTCOLOR, value = 102

unsigned short SVG_PAINTTYPE_URI_NONE, value = 103

unsigned short SVG_PAINTTYPE_URI_CURRENTCOLOR, value = 104

unsigned short SVG_PAINTTYPE_URI_RGBCOLOR, value = 105

unsigned short SVG_PAINTTYPE_URI_RGBCOLOR_ICCCOLOR, value = 106

unsigned short SVG_PAINTTYPE_URI, value = 107

Properties

read-only unsigned short paintType

read-only DOMString uri

Methods

void setUri (DOMString uri)

void setPaint (unsigned short paintType, DOMString uri, DOMString rgbColor, DOMString iccColor), raises: SVGException



Interface SVGPathElement

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

SVGAnimatedPathData

Properties

read-only SVGAnimatedNumber pathLength

Methods

float getTotalLength()

SVGPoint getPointAtLength (float distance)

unsigned long getPathSegAtLength (float distance)

SVGPathSegClosePath createSVGPathSegClosePath()

SVGPathSegMovetoAbs createSVGPathSegMovetoAbs (float x, float y)

SVGPathSegMovetoRel createSVGPathSegMovetoRel (float x, float y)

SVGPathSegLinetoAbs createSVGPathSegLinetoAbs (float x, float y)

SVGPathSegLinetoRel createSVGPathSegLinetoRel (float x, float y)

SVGPathSegCurvetoCubicAbs createSVGPathSegCurvetoCubicAbs (float x, float y, float x1, float y1, float x2, float y2)

SVGPathSegCurvetoCubicRel createSVGPathSegCurvetoCubicRel (float x, float y, float x1, float y1, float x2, float y2)

SVGPathSegCurvetoQuadraticAbs createSVGPathSegCurvetoQuadraticAbs (float x, float y, float x1, float y1)

SVGPathSegCurvetoQuadraticRel createSVGPathSegCurvetoQuadraticRel (float x, float y, float x1, float y1)

SVGPathSegArcAbs createSVGPathSegArcAbs (float x, float y, float r1, float r2, float angle, boolean largeArcFlag, boolean sweepFlag)

SVGPathSegArcRel createSVGPathSegArcRel (float x, float y, float r1, float r2, float angle, boolean largeArcFlag, boolean sweepFlag)

SVGPathSegLinetoHorizontalAbs createSVGPathSegLinetoHorizontalAbs (float x)

SVGPathSegLinetoHorizontalRel createSVGPathSegLinetoHorizontalRel (float x)

SVGPathSegLinetoVerticalAbs createSVGPathSegLinetoVerticalAbs (float y)

SVGPathSegLinetoVerticalRel createSVGPathSegLinetoVerticalRel (float y)

SVGPathSegCurvetoCubicSmoothAbs createSVGPathSegCurvetoCubicSmoothAbs (float x, float y, float x2, float y2)

SVGPathSegCurvetoCubicSmoothRel createSVGPathSegCurvetoCubicSmoothRel (float x, float y, float x2, float y2)

SVGPathSegCurvetoQuadraticSmoothAbs createSVGPathSegCurvetoQuadraticSmoothAbs (float x, float y)

SVGPathSegCurvetoQuadraticSmoothRel createSVGPathSegCurvetoQuadraticSmoothRel (float x, float y)

Interface SVGPathSeg

Constants

unsigned short PATHSEG_UNKNOWN, value = 0

unsigned short PATHSEG_CLOSEPATH, value = 1

unsigned short PATHSEG_MOVETO_ABS, value = 2

unsigned short PATHSEG_MOVETO_REL, value = 3

unsigned short PATHSEG_LINETO_ABS, value = 4

unsigned short PATHSEG_LINETO_REL, value = 5

unsigned short PATHSEG_CURVETO_CUBIC_ABS, value = 6

unsigned short PATHSEG_CURVETO_CUBIC_REL, value = 7

unsigned short PATHSEG_CURVETO_QUADRATIC_ABS, value = 8

unsigned short PATHSEG_CURVETO_QUADRATIC_REL, value = 9

unsigned short PATHSEG_ARC_ABS, value = 10

unsigned short PATHSEG_ARC_REL, value = 11

unsigned short PATHSEG_LINETO_HORIZONTAL_ABS, value = 12

unsigned short PATHSEG_LINETO_HORIZONTAL_REL, value = 13

unsigned short PATHSEG_LINETO_VERTICAL_ABS, value = 14

unsigned short PATHSEG_LINETO_VERTICAL_REL, value = 15

unsigned short PATHSEG_CURVETO_CUBIC_SMOOTH_ABS, value = 16

unsigned short PATHSEG_CURVETO_CUBIC_SMOOTH_REL, value = 17

unsigned short PATHSEG_CURVETO_QUADRATIC_SMOOTH_ABS, value = 18

unsigned short PATHSEG_CURVETO_QUADRATIC_SMOOTH_REL, value = 19

Properties

read-only unsigned short pathSegType

read-only DOMString pathSegTypeAsLetter

Interface SVGPathSegArcAbs

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

float r1, raises DOMException on setting

float r2, raises DOMException on setting

float angle, raises DOMException on setting

boolean largeArcFlag, raises DOMException on setting

boolean sweepFlag, raises DOMException on setting

Interface SVGPathSegArcRel

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

float r1, raises DOMException on setting

float r2, raises DOMException on setting

float angle, raises DOMException on setting

boolean `largeArcFlag`, raises `DOMException` on setting

boolean `sweepFlag`, raises `DOMException` on setting

Interface `SVGPathSegClosePath`

Inherits

`SVGPathSeg`

Interface `SVGPathSegCurvetoCubicAbs`

Inherits

`SVGPathSeg`

Properties

float `x`, raises `DOMException` on setting

float `y`, raises `DOMException` on setting

float `x1`, raises `DOMException` on setting

float `y1`, raises `DOMException` on setting

float `x2`, raises `DOMException` on setting

float `y2`, raises `DOMException` on setting

Interface `SVGPathSegCurvetoCubicRel`

Inherits

`SVGPathSeg`

Properties

float `x`, raises `DOMException` on setting

float `y`, raises `DOMException` on setting

float `x1`, raises `DOMException` on setting

float `y1`, raises `DOMException` on setting

float `x2`, raises `DOMException` on setting

float `y2`, raises `DOMException` on setting

Interface `SVGPathSegCurvetoCubicSmoothAbs`

Inherits

`SVGPathSeg`



Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

float x2, raises DOMException on setting

float y2, raises DOMException on setting

Interface SVGPathSegCurvetoCubicSmoothRel

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

float x2, raises DOMException on setting

float y2, raises DOMException on setting

Interface SVGPathSegCurvetoQuadraticAbs

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

float x1, raises DOMException on setting

float y1, raises DOMException on setting

Interface SVGPathSegCurvetoQuadraticRel

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

float x1, raises DOMException on setting

float y1, raises DOMException on setting

Interface SVGPathSegCurvetoQuadraticSmoothAbs

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

Interface SVGPathSegCurvetoQuadraticSmoothRel

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

Interface SVGPathSegLinetoAbs

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

Interface SVGPathSegLinetoHorizontalAbs

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

Interface SVGPathSegLinetoHorizontalRel

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting



Interface SVGPathSegLinetoRel

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

Interface SVGPathSegLinetoVerticalAbs

Inherits

SVGPathSeg

Properties

float y, raises DOMException on setting

Interface SVGPathSegLinetoVerticalRel

Inherits

SVGPathSeg

Properties

float y, raises DOMException on setting

Interface SVGPathSegList

Properties

read-only unsigned long numberOfItems

Methods

void clear(), raises: DOMException

SVGPathSeg initialize (SVGPathSeg newItem), raises: DOMException, SVGException

SVGPathSeg getItem (unsigned long index), raises: DOMException

SVGPathSeg insertItemBefore (SVGPathSeg newItem, unsigned long index), raises: DOMException, SVGException

SVGPathSeg replaceItem (SVGPathSeg newItem, unsigned long index), raises: DOMException, SVGException

SVGPathSeg removeItem (unsigned long index), raises: DOMException

SVGPathSeg appendItem (SVGPathSeg newItem), raises: DOMException, SVGException

Interface SVGPathSegMovetoAbs

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

Interface SVGPathSegMovetoRel

Inherits

SVGPathSeg

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

Interface SVGPatternElement

Inherits

SVGElement

SVGURIReference

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGFitToViewBox

SVGUnitTypes

Properties

read-only SVGAnimatedEnumeration patternUnits

read-only SVGAnimatedEnumeration patternContentUnits

read-only SVGAnimatedTransformList patternTransform

read-only SVGAnimatedLength x

read-only SVGAnimatedLength y



read-only SVGAnimatedLength width

read-only SVGAnimatedLength height

Interface SVGPoint

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

Methods

SVGPoint matrixTransform (SVGMatrix matrix)

Interface SVGPointList

Properties

read-only unsigned long numberOfItems

Methods

void clear(), raises: DOMException

SVGPoint initialize (SVGPoint newItem), raises: DOMException, SVGException

SVGPoint getItem (unsigned long index), raises: DOMException

SVGPoint insertItemBefore (SVGPoint newItem, unsigned long index), raises:
DOMException, SVGException

SVGPoint replaceItem (SVGPoint newItem, unsigned long index), raises: DOMException,
SVGException

SVGPoint removeItem (unsigned long index), raises: DOMException

SVGPoint appendItem (SVGPoint newItem), raises: DOMException, SVGException

Interface SVGPolygonElement

Inherits

SVGElement

SVGTTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

SVGAnimatedPoints

Interface **SVGPolylineElement**

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

SVGAnimatedPoints

Interface **SVGPreserveAspectRatio**

Constants

unsigned short SVG_PRESERVEASPECTRATIO_UNKNOWN, value = 0

unsigned short SVG_PRESERVEASPECTRATIO_NONE, value = 1

unsigned short SVG_PRESERVEASPECTRATIO_XMINYMIN, value = 2

unsigned short SVG_PRESERVEASPECTRATIO_XMIDYMIN, value = 3

unsigned short SVG_PRESERVEASPECTRATIO_XMAXYMIN, value = 4

unsigned short SVG_PRESERVEASPECTRATIO_XMINYMID, value = 5

unsigned short SVG_PRESERVEASPECTRATIO_XMIDYMID, value = 6

unsigned short SVG_PRESERVEASPECTRATIO_XMAXYMID, value = 7

unsigned short SVG_PRESERVEASPECTRATIO_XMINYMAX, value = 8

unsigned short SVG_PRESERVEASPECTRATIO_XMIDYMAX, value = 9

unsigned short SVG_PRESERVEASPECTRATIO_XMAXYMAX, value = 10

unsigned short SVG_MEETORSLICE_UNKNOWN, value = 0

unsigned short SVG_MEETORSLICE_MEET, value = 1

unsigned short SVG_MEETORSLICE_SLICE, value = 2



Properties

unsigned short align, raises DOMException on setting

unsigned short meetOrSlice, raises DOMException on setting

Interface SVGRadialGradientElement

Inherits

SVGGradientElement

Properties

read-only SVGAnimatedLength cx

read-only SVGAnimatedLength cy

read-only SVGAnimatedLength r

read-only SVGAnimatedLength fx

read-only SVGAnimatedLength fy

Interface SVGRect

Properties

float x, raises DOMException on setting

float y, raises DOMException on setting

float width, raises DOMException on setting

float height, raises DOMException on setting

Interface SVGRectElement

Inherits

SVGElement

SVGTTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

Properties

read-only SVGAnimatedLength x

read-only SVGAnimatedLength y

read-only SVGAnimatedLength width
read-only SVGAnimatedLength height
read-only SVGAnimatedLength rx
read-only SVGAnimatedLength ry

Interface SVGRenderingIntent

Constants

unsigned short RENDERING_INTENT_UNKNOWN, value = 0
unsigned short RENDERING_INTENT_AUTO, value = 1
unsigned short RENDERING_INTENT_PERCEPTUAL, value = 2
unsigned short RENDERING_INTENT_RELATIVE_COLORIMETRIC, value = 3
unsigned short RENDERING_INTENT_SATURATION, value = 4
unsigned short RENDERING_INTENT_ABSOLUTE_COLORIMETRIC, value = 5

Interface SVGScriptElement

Inherits

SVGElement
SVGURIReference
SVGExternalResourcesRequired

Properties

DOMString type, raises DOMException on setting

Interface SVGSetElement

Inherits

SVGAnimationElement

Interface SVGStopElement

Inherits

SVGElement
SVGStylable

Properties

read-only SVGAnimatedNumber offset



Interface SVGStringList

Properties

read-only unsigned long numberOfItems

Methods

void clear(), raises: DOMException

DOMString initialize (DOMString newItem), raises: DOMException, SVGException

DOMString getItem (unsigned long index), raises: DOMException

DOMString insertItemBefore (DOMString newItem, unsigned long index), raises: DOMException, SVGException

DOMString replaceItem (DOMString newItem, unsigned long index), raises: DOMException, SVGException

DOMString removeItem (unsigned long index), raises: DOMException

DOMString appendItem (DOMString newItem), raises: DOMException, SVGException

Interface SVGStylable

Properties

read-only SVGAnimatedString className

read-only css::CSSStyleDeclaration style

Methods

css::CSSValue getPresentationAttribute (DOMString name)

Interface SVGStyleElement

Inherits

SVGElement

Properties

DOMString xmlspace, raises DOMException on setting

DOMString type, raises DOMException on setting

DOMString media, raises DOMException on setting

DOMString title, raises DOMException on setting

Interface SVGSVGElement

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGLocatable

SVGFitToViewBox

SVGZoomAndPan

events::EventTarget

events::DocumentEvent

css::ViewCSS

css::DocumentCSS

Properties

read-only SVGAnimatedLength x

read-only SVGAnimatedLength y

read-only SVGAnimatedLength width

read-only SVGAnimatedLength height

DOMString contentScriptType, raises DOMException on setting

DOMString contentStyleType, raises DOMException on setting

read-only SVGRect viewport

read-only float pixelUnitToMillimeterX

read-only float pixelUnitToMillimeterY

read-only float screenPixelToMillimeterX

read-only float screenPixelToMillimeterY

boolean useCurrentView, raises DOMException on setting

read-only SVGViewSpec currentView

float currentScale, raises DOMException on setting

read-only SVGPoint currentTranslate



Methods

unsigned long suspendRedraw (unsigned long max_wait_milliseconds)
void unsuspendRedraw (unsigned long suspend_handle_id), raises: DOMException
void unsuspendRedrawAll()
void forceRedraw()
void pauseAnimations()
void unpauseAnimations()
boolean animationsPaused()
float getCurrentTime()
void setCurrentTime (float seconds)
NodeList getIntersectionList (SVGRect rect, SVGElement referenceElement)
NodeList getEnclosureList (SVGRect rect, SVGElement referenceElement)
boolean checkIntersection (SVGElement element, SVGRect rect)
boolean checkEnclosure (SVGElement element, SVGRect rect)
void deselectAll()
SVGNumber createSVGNumber()
SVGLength createSVGLength()
SVGAngle createSVGAngle()
SVGPoint createSVGPoint()
SVGMatrix createSVGMatrix()
SVGRect createSVGRect()
SVGTransform createSVGTransform()
SVGTransform createSVGTransformFromMatrix (SVGMatrix matrix)
Element getElementById (DOMString elementId)

Interface SVGSwitchElement

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget

Interface SVGSymbolElement

Inherits

SVGElement

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGFitToViewBox

events::EventTarget

Interface SVGTests

Properties

read-only SVGStringList requiredFeatures

read-only SVGStringList requiredExtensions

read-only SVGStringList systemLanguage

Methods

boolean hasExtension (DOMString extension)

Interface SVGTextContentElement

Inherits

SVGElement

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

events::EventTarget



Constants

unsigned short LENGTHADJUST_UNKNOWN, value = 0

unsigned short LENGTHADJUST_SPACING, value = 1

unsigned short LENGTHADJUST_SPACINGANDGLYPHS, value = 2

Properties

read-only SVGAnimatedLength textLength

read-only SVGAnimatedEnumeration lengthAdjust

Methods

long getNumberOfChars()

float getComputedTextLength()

float getSubStringLength (unsigned long charnum, unsigned long nchars), raises: DOMException

SVGPoint getStartPositionOfChar (unsigned long charnum), raises: DOMException

SVGPoint getEndPositionOfChar (unsigned long charnum), raises: DOMException

SVGRect getExtentOfChar (unsigned long charnum), raises: DOMException

float getRotationOfChar (unsigned long charnum), raises: DOMException

long getCharNumAtPosition (SVGPoint point)

void selectSubString (unsigned long charnum, unsigned long nchars), raises: DOMException

Interface SVGTextElement

Inherits

SVGTextPositioningElement

SVGTransformable

Interface SVGTextPathElement

Inherits

SVGTextContentElement

SVGURIReference

Constants

unsigned short TEXTPATH_METHODTYPE_UNKNOWN, value = 0

unsigned short TEXTPATH_METHODTYPE_ALIGN, value = 1

unsigned short TEXTPATH_METHODTYPE_STRETCH, value = 2
unsigned short TEXTPATH_SPACINGTYPE_UNKNOWN, value = 0
unsigned short TEXTPATH_SPACINGTYPE_AUTO, value = 1
unsigned short TEXTPATH_SPACINGTYPE_EXACT, value = 2

Properties

read-only SVGAnimatedLength startOffset
read-only SVGAnimatedEnumeration method
read-only SVGAnimatedEnumeration spacing

Interface SVGTextPositioningElement

Inherits

SVGTextContentElement

Properties

read-only SVGAnimatedLengthList x
read-only SVGAnimatedLengthList y
read-only SVGAnimatedLengthList dx
read-only SVGAnimatedLengthList dy
read-only SVGAnimatedNumberList rotate

Interface SVGTitleElement

Inherits

SVGElement
SVGLangSpace
SVGStylable

Interface SVGTransform

Constants

unsigned short SVG_TRANSFORM_UNKNOWN, value = 0
unsigned short SVG_TRANSFORM_MATRIX, value = 1
unsigned short SVG_TRANSFORM_TRANSLATE, value = 2
unsigned short SVG_TRANSFORM_SCALE, value = 3



unsigned short SVG_TRANSFORM_ROTATE, value = 4

unsigned short SVG_TRANSFORM_SKEWX, value = 5

unsigned short SVG_TRANSFORM_SKEWY, value = 6

Properties

read-only unsigned short type

read-only SVGMatrix matrix

read-only float angle

Methods

void setMatrix (SVGMatrix matrix)

void setTranslate (float tx, float ty)

void setScale (float sx, float sy)

void setRotate (float angle, float cx, float cy)

void setSkewX (float angle)

void setSkewY (float angle)

Interface SVGTransformable

Inherits

SVGLocatable

Properties

read-only SVGAnimatedTransformList transform

Interface SVGTransformList

Properties

read-only unsigned long numberOfItems

Methods

void clear(), raises: DOMException

SVGTransform initialize (SVGTransform newItem), raises: DOMException, SVGException

SVGTransform getItem (unsigned long index), raises: DOMException

SVGTransform insertItemBefore (SVGTransform newItem, unsigned long index), raises: DOMException, SVGException

SVGTransform replaceItem (SVGTransform newItem, unsigned long index), raises: DOMException, SVGException

SVGTransform removeItem (unsigned long index), raises: DOMException

SVGTransform appendItem (SVGTransform newItem), raises: DOMException, SVGException

SVGTransform createSVGTransformFromMatrix (SVGMatrix matrix)

SVGTransform consolidate()

Interface SVGRefElement

Inherits

SVGTextPositioningElement

SVGURIReference

Interface SVGTSpanElement

Inherits

SVGTextPositioningElement

Interface SVGUnitTypes

Constants

unsigned short SVG_UNIT_TYPE_UNKNOWN, value = 0

unsigned short SVG_UNIT_TYPE_USERSPACEONUSE, value = 1

unsigned short SVG_UNIT_TYPE_OBJECTBOUNDINGBOX, value = 2

Interface SVGURIReference

Properties

read-only SVGAnimatedString href

Interface SVGUseElement

Inherits

SVGElement

SVGURIReference

SVGTests

SVGLangSpace

SVGExternalResourcesRequired

SVGStylable

SVGTransformable

events::EventTarget



Properties

read-only SVGAnimatedLength x
read-only SVGAnimatedLength y
read-only SVGAnimatedLength width
read-only SVGAnimatedLength height
read-only SVGElementInstance instanceRoot
read-only SVGElementInstance animatedInstanceRoot

Interface SVGViewElement

Inherits

SVGElement
SVGExternalResourcesRequired
SVGFitToViewBox
SVGZoomAndPan

Properties

read-only SVGStringList viewTarget

Interface SVGViewSpec

Inherits

SVGZoomAndPan
SVGFitToViewBox

Properties

read-only SVGTransformList transform
read-only SVGElement viewTarget
read-only DOMString viewBoxString
read-only DOMString preserveAspectRatioString
read-only DOMString transformString
read-only DOMString viewTargetString

Interface SVGVKernElement

Inherits

SVGElement

Interface SVGZoomAndPan

Constants

unsigned short SVG_ZOOMANDPAN_UNKNOWN, value = 0

unsigned short SVG_ZOOMANDPAN_DISABLE, value = 1

unsigned short SVG_ZOOMANDPAN_MAGNIFY, value = 2

Properties

unsigned short zoomAndPan, raises DOMException on setting

Interface SVGZoomEvent

Inherits

events::UIEvent

Properties

read-only SVGRect zoomRectScreen

read-only float previousScale

read-only SVGPoint previousTranslate

read-only float newScale

read-only SVGPoint newTranslate



