PDFAnnotationTextWidget Class Reference

Graphics & Imaging > Cocoa

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PDFAnnotationTextWidget Class Reference

Inherits from	PDFAnnotation : NSObject
Conforms to	NSObject (NSObject)
Framework	Library/Frameworks/Quartz.framework/Frameworks/PDFKit.framework
Availability	Available in Mac OS X v10.4 and later.
Declared in	PDFAnnotationTextWidget.h

Overview

A `PDFAnnotationTextWidget` object allows you to manage the appearance and content of text fields.

`PDFAnnotationTextWidget` objects support interactive forms in a PDF document. This object is comparable to an editable `NSTextField` in Cocoa or an edit text view in Carbon.

Tasks

Working with Annotation Strings

- `stringValue` (page 12)
  Returns the string assigned to the annotation.
- `setStringValue:` (page 12)
  Sets the string for the annotation.
- `maximumLength` (page 8)
  Returns the maximum number of characters allowed in the annotation string.
- `setMaximumLength:` (page 11)
  Sets the maximum number of characters allowed in the annotation string.

Managing the Font and Font Color

- `font` (page 7)
  Returns the font used for the annotation's text field.
- `setFont:` (page 10)
  Sets the font used in the text field of the annotation.

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- `fontColor` (page 8)
  Returns the font color used for the annotation's text field.
- `setFontColor:` (page 11)
  Sets the font color used for the annotation's text field.

Managing Background Color, Alignment, and Rotation

- `backgroundColor` (page 7)
  Returns the background color of the annotation text field.
- `setBackgroundColor:` (page 9)
  Sets the background color of the annotation text field.
- `alignment` (page 6)
  Returns the text alignment setting for the annotation.
- `setAlignment:` (page 9)
  Sets the text alignment for the annotation.
- `rotation` (page 9)
  Returns the rotation angle of the annotation text field in degrees.
- `setRotation:` (page 11)
  Sets the rotation angle of the annotation text field in degrees.

Working with Field Names

- `fieldName` (page 7)
  Returns the internal name for the annotation text field.
- `setFieldName:` (page 10)
  Sets the internal field name for the annotation text field.

Instance Methods

alignment

Returns the text alignment setting for the annotation.

```
- (NSTextAlignment)alignment
```

Return Value
The text alignment value for the annotation. Supported alignment values are `NSLeftTextAlignment`, `NSRightTextAlignment`, and `NSCenterTextAlignment`.

Availability
Available in Mac OS X v10.4 and later.

See Also
- `setAlignment:` (page 9)

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Declared In
PDFAnnotationTextWidget.h

backgroundColor

Returns the background color of the annotation text field.

```
- (NSColor *)backgroundColor
```

Return Value
The background color of the annotation's text field.

Availability
Available in Mac OS X v10.5 and later.

See Also
- setBackgroundColor: (page $@)

Declared In
PDFAnnotationTextWidget.h

fieldName

Returns the internal name for the annotation text field.

```
- (NSString *)fieldName
```

Return Value
The internal name for the annotation text field.

Discussion
Field names are optional, internal names that identify text fields in a PDF form. You use field names with the PDFActionResetForm action.

Note that multiple PDFAnnotationTextWidget objects with the same field name always have the same text associated with that field name. When text is entered into one of the objects, the text associated with that field name is changed in all objects. If you need to ensure unique text for a PDFAnnotationTextWidget object, you must give it a unique field name (you can use setFieldName: (page 10) to do this).

Availability
Available in Mac OS X v10.5 and later.

See Also
- setFieldName: (page $@)

Declared In
PDFAnnotationTextWidget.h

font

Returns the font used for the annotation's text field.

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```
- (NSFont *)font
```

Return Value
The font used for text in the annotation's text field.

Availability
Available in Mac OS X v10.4 and later.

See Also
`- setFont:` (page 10)

Declared In
`PDFAnnotationTextWidget.h`

fontColor

Returns the font color used for the annotation's text field.

```
- (NSColor *)fontColor
```

Return Value
The font color used for text in the annotation's text field.

Availability
Available in Mac OS X v10.5 and later.

See Also
`- setFontColor:` (page $@)

Declared In
`PDFAnnotationTextWidget.h`

maximumLength

Returns the maximum number of characters allowed in the annotation string.

```
- (NSUInteger)maximumLength
```

Return Value
The maximum number of characters allowed in the annotations string. A return value of `0` means that there is no specified maximum.

Availability
Available in Mac OS X v10.5 and later.

See Also
`- setMaximumLength:` (page $@)

Declared In
`PDFAnnotationTextWidget.h`

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rotation

Returns the rotation angle of the annotation text field in degrees.

```
- (int)rotation
```

Return Value
The rotation angle of the annotation text field in degrees.

Discussion
Note that the rotation value is a positive multiple of 90, such as 0, 90, 180, or 270. The rotation of annotation text fields with negative rotation is converted to a corresponding positive rotation. For example, -90 is changed to 270.

Availability
Available in Mac OS X v10.5 and later.

See Also
- `setRotation:` (page $@)

Declared In
`PDFAnnotationTextWidget.h`

setAlignment:

Sets the text alignment for the annotation.

```
- (void)setAlignment:(NSTextAlignment)alignment
```

Parameters

alignment

The text-alignment value to be used for the annotation. Possible values are `NSLeftTextAlignment`, `NSRightTextAlignment`, and `NSCenterTextAlignment`.

Availability
Available in Mac OS X v10.4 and later.

See Also
- `alignment` (page 6)

Declared In
`PDFAnnotationTextWidget.h`

setBackgroundColor:

Sets the background color of the annotation text field.

```
- (void)setBackgroundColor:(NSColor *)color
```

Parameters

color

The color to be used in the background of the annotation's text field.

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Availability
Available in Mac OS X v10.5 and later.

See Also
- `backgroundColor` (page $@)

Declared In
`PDFAnnotationTextWidget.h`

setFieldName:

Sets the internal field name for the annotation text field.

```
- (void)setFieldName:(NSString *)name
```

Parameters

name
The internal field name to be used for the annotation text field.

Discussion
Field names are optional, internal names that identify text fields in a PDF form. You use field names with the `PDFActionResetForm` action.

Note that multiple `PDFAnnotationTextWidget` objects with the same field name always have the same text associated with that field name. When text is entered into one of the objects, the text associated with that field name is changed in all objects. If you need to ensure unique text for a `PDFAnnotationTextWidget` object, you must give it a unique field name.

Availability
Available in Mac OS X v10.5 and later.

See Also
- `fieldName` (page $@)

Declared In
`PDFAnnotationTextWidget.h`

setFont:

Sets the font used in the text field of the annotation.

```
- (void)setFont:(NSFont *)font
```

Parameters

font
The font to be used in the annotation's text field.

Availability
Available in Mac OS X v10.4 and later.

See Also
- `font` (page 7)

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Declared In
PDFAnnotationTextWidget.h

setFontColor:

Sets the font color used for the annotation's text field.

```
- (void)setFontColor:(NSColor *)color
```

Parameters

color

The font color to be used in the annotation's text field.

Availability
Available in Mac OS X v10.5 and later.

See Also
- fontColor (page $@)

Declared In
PDFAnnotationTextWidget.h

setMaximumLength:

Sets the maximum number of characters allowed in the annotation string.

```
- (void)setMaximumLength:(NSUInteger)maxLen
```

Parameters

maxLen

The maximum number of characters allowed in the annotation string. Pass 0 to indicate that there is no specified maximum.

Availability
Available in Mac OS X v10.5 and later.

See Also
- maximumLength (page $@)

Declared In
PDFAnnotationTextWidget.h

setRotation:

Sets the rotation angle of the annotation text field in degrees.

```
- (void)setRotation:(int)rotation
```


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Parameters

rotation

The rotation angle to be applied to the annotation text field, in degrees. The rotation angle must be a positive or negative multiple of 90 (negative angles are converted to their positive equivalents; for example -90 is changed to 270).

Availability
Available in Mac OS X v10.5 and later.

See Also
- rotation (page $@)

Declared In
PDFAnnotationTextWidget.h

setStringValue:

Sets the string for the annotation.

```
- (void)setStringValue:(NSString *)value
```

Parameters

value

The string to be assigned to the annotation.

Availability
Available in Mac OS X v10.4 and later.

See Also
- stringValue (page 12)

Declared In
PDFAnnotationTextWidget.h

stringValue

Returns the string assigned to the annotation.

```
- (NSString *)stringValue
```

Return Value
The string assigned to the annotation.

Availability
Available in Mac OS X v10.4 and later.

See Also
- setStringValue: (page 12)

Declared In
PDFAnnotationTextWidget.h

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Document Revision History

This table describes the changes to *PDFAnnotationTextWidget Class Reference*.

Date	Notes
2007-12-11	Added information on the relationship of text widgets with the same field name.
2007-10-31	Updated for Mac OS X v10.5.
2006-05-23	First publication of this content as a separate document.

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Document Revision History

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