PDFDestination Class Reference

Graphics & Imaging > Cocoa

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PDFDestination Class Reference

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

Overview

A `PDFDestination` object describes a point on a PDF page.

In typical usage, you do not initialize `PDFDestination` objects but rather get them as either attributes of `PDFAnnotationLink` or `PDFOutline` objects, or in response to the `PDFView` method `currentDestination`.

Tasks

Initializing a Destination

`- initWithPage:atPoint:` (page 6)
Initializes the destination.

Getting Pages and Points

`- page` (page 7)
Returns the page that the destination refers to.

`- point` (page 7)
Returns the point, in page space, that the destination refers to.

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Getting a Relative Location

`- compare:` (page 6)
Returns a comparison result that indicates the location of the destination in the document, relative to the current position.

Instance Methods

compare:

Returns a comparison result that indicates the location of the destination in the document, relative to the current position.

```
- (NSComparisonResult)compare:(PDFDestination *)destination
```

Parameters

destination
The destination in the document to be located.

Return Value
A comparison result, indicating the position of the passed-in destination relative to the current position.

Discussion
If *destination* is between the receiver's position and the end of the document, `compare` returns `NSOrderedAscending`; if it is between the receiver's position and the beginning of the document, `compare` returns `NSOrderedDescending`. Otherwise, if `destination` matches the receiver's position, `compare` returns `NSOrderedSame`.

This method ignores the horizontal component of the destination point (the x value). If the destination's vertical component (or y value) is `kPDFDestinationUnspecifiedValue` (page $@), `compare` treats the destination as if its y value is the top point on the destination page.

An exception is raised if *destination* does not have a page associated with it or if its page is associated with a document other than the receiver's document.

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

Declared In
`PDFDestination.h`

initWithPage:atPoint:

Initializes the destination.

```
- (id)initWithPage:(PDFPage *)page atPoint:(NSPoint)point
```

Parameters

page
The page of the destination.

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point
The point of the destination, in page space.

Return Value
An initialized `PDFDestination` instance, or `NULL` if the object could not be initialized.

Discussion
Specify *point* in page space. Typically, there's no need to initialize destinations. Instead, you get them from `PDFAnnotationLink`, `PDFOutline`, or `PDFView` objects.

Page space is a 72-dpi coordinate system with the origin at the lower-left corner of the current page.

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

Declared In
`PDFDestination.h`

page

Returns the page that the destination refers to.

```
- (PDFPage *)page
```

Return Value
The page referred to by the destination.

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

See Also
- `point` (page 7)

Declared In
`PDFDestination.h`

point

Returns the point, in page space, that the destination refers to.

```
- (NSPoint)point
```

Return Value
The point, in page space, referred to by the destination.

Discussion
Page space is a 72 dpi coordinate system with the origin at the lower-left corner of the current page.

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

See Also
- `page` (page 7)

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Declared In
`PDFDestination.h`

Constants

Destination Undefined

Value used for unspecified destination.

```
#define kPDFDestinationUnspecifiedValue          FLT_MAX
```

Constants

`kPDFDestinationUnspecifiedValue`

Unspecified value used when a destination's actual x or y value is unimportant.

Available in Mac OS X v10.5 and later.

Declared in `PDFDestination.h`.

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Document Revision History

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

Date	Notes
2007-12-11	Made minor corrections.
2007-10-31	Added information about the compare: method, introduced in Mac OS X v10.5.
2006-05-23	First publication of this content as a separate document.

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