
UIImage Additions Reference

[Cocoa > Graphics & Imaging](#)



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CIImage Additions Reference

Inherits from	NSObject
Conforms to	NSCoding (CIImage) NSCopying (CIImage) NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.4 and later.
Declared in	NSCIImageRep.h

Overview

The Application Kit adds three methods to the Core Image framework's CIImage class.

Tasks

Initializing

- [initWithBitmapImageRep:](#) (page 7)
Initializes the receiver, a newly allocated CIImage object, with the specified bitmap.

Drawing Images

- [drawAtPoint:fromRect:operation:fraction:](#) (page 6)
Draws all or part of the image at the specified point in the current coordinate system.
- [drawInRect:fromRect:operation:fraction:](#) (page 6)
Draws all or part of the image in the specified rectangle in the current coordinate system

Instance Methods

drawAtPoint:fromRect:operation:fraction:

Draws all or part of the image at the specified point in the current coordinate system.

```
- (void)drawAtPoint:(NSPoint)point fromRect:(NSRect)srcRect
  operation:(NSCompositingOperation)op fraction:(CGFloat)delta
```

Parameters

point

The location in the current coordinate system at which to draw the image.

srcRect

The source rectangle specifying the portion of the image you want to draw. The coordinates of this rectangle must be specified using the image's own coordinate system.

op

The compositing operation to use when drawing the image.

delta

The opacity of the image, specified as a value from 0.0 to 1.0. Specifying a value of 0.0 draws the image as fully transparent while a value of 1.0 draws the image as fully opaque. Values greater than 1.0 are interpreted as 1.0.

Discussion

The image content is drawn at its current resolution and is not scaled unless the CTM of the current coordinate system itself contains a scaling factor. The image is otherwise positioned and oriented using the current coordinate system.

Availability

Available in Mac OS X v10.4 and later.

Declared In

NSCImageRep.h

drawInRect:fromRect:operation:fraction:

Draws all or part of the image in the specified rectangle in the current coordinate system

```
- (void)drawInRect:(NSRect)dstRect fromRect:(NSRect)srcRect
  operation:(NSCompositingOperation)op fraction:(CGFloat)delta
```

Parameters

dstRect

The rectangle in which to draw the image.

srcRect

The source rectangle specifying the portion of the image you want to draw. The coordinates of this rectangle must be specified using the image's own coordinate system.

op

The compositing operation to use when drawing the image.

delta

The opacity of the image, specified as a value from 0.0 to 1.0. Specifying a value of 0.0 draws the image as fully transparent while a value of 1.0 draws the image as fully opaque. Values greater than 1.0 are interpreted as 1.0.

Discussion

If the `srcRect` and `dstRect` rectangles have different sizes, the source portion of the image is scaled to fit the specified destination rectangle. The image is otherwise positioned and oriented using the current coordinate system.

Availability

Available in Mac OS X v10.4 and later.

Related Sample Code

CarbonCocoaCoreImageTab

Reducer

Declared In

NSCImageRep.h

initWithBitmapImageRep:

Initializes the receiver, a newly allocated `CImage` object, with the specified bitmap.

```
- (id)initWithBitmapImageRep:(NSBitmapImageRep *)bitmapImageRep
```

Parameters

bitmapImageRep

An image representation object containing the bitmap data.

Return Value

The resulting `CImage` object.

Availability

Available in Mac OS X v10.4 and later.

Related Sample Code

CarbonCocoaCoreImageTab

Reducer

Declared In

NSCImageRep.h

Document Revision History

This table describes the changes to *CIImage Additions Reference*.

Date	Notes
2007-06-08	Updated for Mac OS X v10.5
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

Document Revision History

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instance method [6](#)

`drawInRect:fromRect:operation:fraction:`
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`initWithBitmapImageRep:` instance method [7](#)