QCCompositionParameterView Class Reference

Cocoa > Graphics & Imaging

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QCCompositionParameterView Class Reference

Inherits from	NSView : NSResponder : NSObject
Conforms to	NSAnimatablePropertyContainer (NSView) NSCoding (NSResponder) NSObject (NSObject)
Framework	/System/Library/Frameworks/Quartz.framework/Frameworks/QuartzComposer.framework
Availability	Available in Mac OS X v10.5 and later.
Companion guide	Quartz Composer Programming Guide
Declared in	QCCompositionParameterView.h

Overview

The `QCCompositionParameterView` class allows allows users to edit, in real time, the input parameters of a composition. The composition can be rendering in any of the following objects: `QCRenderer`, `QCView`, or `QCCompositionLayer`.

Tasks

Getting and Setting the Renderer

- `setCompositionRenderer:` (page 8)
  Sets the composition parameter view for editing the input parameters of the provided renderer object.
- `compositionRenderer` (page 6)
  Returns the renderer object associated with the composition parameter view.

Checking for Input Parameters

- `hasParameters` (page 7)
  Checks whether the composition that is currently edited by the composition parameter view has any input parameters.

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Setting and Retrieving the Delegate

- `setDelegate:` (page 8)
  Sets the composition parameter view delegate.
- `delegate` (page 7)
  Returns the composition parameter view delegate.

Managing Background Drawing

- `setDrawsBackground:` (page 9)
  Sets whether the composition parameter view draws its background.
- `drawsBackground` (page 7)
  Returns whether the composition parameter view draws its background.

Setting and Getting the Background Color

- `setBackgroundColor:` (page 8)
  Sets the background color of the composition parameter view.
- `backgroundColor` (page 6)
  Retrieves the background color of the composition parameter view.

Instance Methods

backgroundColor

Retrieves the background color of the composition parameter view.

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

Return Value
The color of the background.

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

Declared In
`QCCompositionParameterView.h`

compositionRenderer

Returns the renderer object associated with the composition parameter view.

```
- (id<QCCompositionRenderer>) compositionRenderer
```


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Return Value
A renderer object or `nil`, if the composition parameter view is not set to a renderer object.

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

See Also
`- setCompositionRenderer:` (page 8)

Declared In
`QCCompositionParameterView.h`

delegate

Returns the composition parameter view delegate.

```
- (id) delegate;
```

Return Value
The composition parameter view delegate.

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

Declared In
`QCCompositionParameterView.h`

drawsBackground

Returns whether the composition parameter view draws its background.

```
- (BOOL) drawsBackground;
```

Return Value
`YES` if the view draws its background; otherwise `NO`.

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

Declared In
`QCCompositionParameterView.h`

hasParameters

Checks whether the composition that is currently edited by the composition parameter view has any input parameters.

```
- (BOOL) hasParameters
```

Return Value
`YES` if the composition has any input parameters.

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

Declared In
`QCCompositionParameterView.h`

setBackgroundColor:

Sets the background color of the composition parameter view.

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

Parameters

color

The color to set.

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

Declared In
`QCCompositionParameterView.h`

setCompositionRenderer:

Sets the composition parameter view for editing the input parameters of the provided renderer object.

```
- (void) setCompositionRenderer:(id<QCCompositionRenderer>)renderer
```

Parameters

renderer

A `QCCompositionRenderer` object, either `QCView`, `QCRenderer`, or `QCCompositionLayer`. Pass `nil` to unset this renderer.

Discussion
If the renderer is a `QCView` object, the view track the composition.

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

See Also
`- compositionRenderer` (page 6)

Declared In
`QCCompositionParameterView.h`

setDelegate:

Sets the composition parameter view delegate.

```
- (void) setDelegate:(id)delegate;
```


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Parameters

delegate

The delegate for the composition parameter view.

Availability

Available in Mac OS X v10.5 and later.

Declared In

QCCompositionParameterView.h

setDrawsBackground:

Sets whether the composition parameter view draws its background.

```
- (void) setDrawsBackground:(BOOL)flag;
```

Parameters

flag

YES for the view to draw its background; otherwise NO.

Availability

Available in Mac OS X v10.5 and later.

Declared In

QCCompositionParameterView.h

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Document Revision History

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

Date	Notes
2007-05-09	New document that describes the class used to edit the input parameters of a composition in a view.

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Document Revision History

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