
NSValue QTKit Additions Reference

[QuickTime](#) > [Cocoa](#)



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Contents

NSNumber QTKit Additions Reference 5

Overview	5
Tasks	5
Wrapping Time and Time Range Structures	5
Class Methods	6
valueWithQTime:	6
valueWithQTimeRange:	6
valueWithSMPTETime:	6
Instance Methods	6
QTimeRangeValue	6
QTimeValue	7
SMPTETimeValue	7

Document Revision History 9

Index 11

NSValue QTKit Additions Reference

Inherits from	NSObject
Conforms to	NSObject (NSObject)
Framework	/System/Library/Frameworks/QTKit.framework
Availability	Available in Mac OS X v10.4 and later.
Declared in	QTTime.h QTTimeRange.h

Overview

The QuickTime Kit supports categories in the Foundation framework's `NSValue` class that allow you to get `QTTime` and `QTTimeRange` structures as objects of type `NSValue`. In Mac OS X v10.5, QTKit defines extra operations on the `SMPTETime` type. `SMPTETime` is defined in `CoreAudio/CoreAudioTypes.h`.

Tasks

Wrapping Time and Time Range Structures

- + `valueWithQTTime:` (page 6)
Creates an `NSValue` object that wraps the specified `QTTime` structure.
- + `valueWithQTTimeRange:` (page 6)
Creates an `NSValue` object that wraps the specified `QTTimeRange` structure.
- + `valueWithSMPTETime:` (page 6)
Returns a new `NSValue` object containing an `SMPTETime`.
- `QTTimeValue` (page 7)
Returns a `QTTime` structure that contains the time in an `NSValue` object.
- `SMPTETimeValue` (page 7)
Returns a `SMPTETime` structure contained in an `NSValue`.
- `QTTimeRangeValue` (page 6)
Returns a `QTTimeRange` structure that contains the range in an `NSValue` object.

Class Methods

valueWithQTime:

Creates an NSValue object that wraps the specified QTime structure.

```
+ (NSValue *)valueWithQTime:(QTime)time
```

Availability

Available in Mac OS X v10.3 and later.

Related Sample Code

QTAudioExtractionPanel

QTKitMovieShuffler

Declared In

QTime.h

valueWithQTimeRange:

Creates an NSValue object that wraps the specified QTimeRange structure.

```
+ (NSValue *)valueWithQTimeRange:(QTimeRange)range
```

Availability

Available in Mac OS X v10.3 and later.

Declared In

QTimeRange.h

valueWithSMPTETime:

Returns a new NSValue object containing an SMPTETime.

```
+ (NSValue *)valueWithSMPTETime:(SMPTETime)time
```

Availability

Mac OS X v10.5 and later.

Declared In

QTime.h

Instance Methods

QTimeRangeValue

Returns a QTimeRange structure that contains the range in an NSValue object.

- (QTTimeRange)QTTimeRangeValue

Availability

Available in Mac OS X v10.3 and later.

Declared In

QTTimeRange.h

QTTimeValue

Returns a QTTime structure that contains the time in an NSNumber object.

- (QTTime)QTTimeValue

Availability

Available in Mac OS X v10.3 and later.

Related Sample Code

QTKitMovieShuffler

Declared In

QTTime.h

SMPTETimeValue

Returns a SMPTETime structure contained in an NSNumber.

- (SMPTETime)SMPTETimeValue

Availability

Mac OS X v10.5 and later.

Declared In

QTTime.h

Document Revision History

This table describes the changes to *NSNumber QTKit Additions Reference*.

Date	Notes
2007-05-07	Updated for Mac OS X v10.5, with new SMPTime methods.
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

Document Revision History

Index

Q

QTTimeRangeValue **instance method** [6](#)

QTTimeValue **instance method** [7](#)

S

SMPTETimeValue **instance method** [7](#)

V

valueWithQTTime: **class method** [6](#)

valueWithQTTimeRange: **class method** [6](#)

valueWithSMPTETime: **class method** [6](#)