
NSTableView Class Reference

[Cocoa](#) > [User Experience](#)



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NSTableView Class Reference

Inherits from	NSView : NSResponder : NSObject
Conforms to	NSAnimatablePropertyContainer (NSView) NSCoding (NSResponder) NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.0 and later.
Companion guide	Table View Programming Guide
Declared in	NSTableView.h

Overview

An NSTableView is used by an NSTableView to draw headers over its columns and to handle mouse events in those headers.

NSTableView uses NSTableViewCell to implement its user interface.

Tasks

Setting the Table View

- [tableView:](#) (page 8)
Sets *aTableView* as the receiver's NSTableView.
- [tableView](#) (page 8)
Returns the NSTableView the receiver belongs to.

Checking Altered Columns

- [draggedColumn](#) (page 6)
If the user is dragging a column in the receiver, returns the index of that column.
- [draggedDistance](#) (page 7)
If the user is dragging a column in the receiver, returns the column's horizontal distance from its original position.

- [resizedColumn](#) (page 7)
If the user is resizing a column in the receiver, returns the index of that column.

Utility Methods

- [columnAtPoint:](#) (page 6)
Returns the index of the column whose header lies under *aPoint* in the receiver, or `-1` if no such column is found.
- [headerRectOfColumn:](#) (page 7)
Returns the rectangle containing the header tile for the column at *columnIndex*.

Instance Methods

columnAtPoint:

Returns the index of the column whose header lies under *aPoint* in the receiver, or `-1` if no such column is found.

```
- (NSInteger)columnAtPoint:(NSPoint)aPoint
```

Discussion

aPoint is expressed in the receiver's coordinate system.

Availability

Available in Mac OS X v10.0 and later.

Declared In

NSTableView.h

draggedColumn

If the user is dragging a column in the receiver, returns the index of that column.

```
- (NSInteger)draggedColumn
```

Discussion

Otherwise returns `-1`.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [draggedDistance](#) (page 7)

Declared In

NSTableView.h

draggedDistance

If the user is dragging a column in the receiver, returns the column's horizontal distance from its original position.

- (CGFloat)draggedDistance

Discussion

Otherwise the return value is meaningless.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [draggedColumn](#) (page 6)

Declared In

NSTableView.h

headerRectOfColumn:

Returns the rectangle containing the header tile for the column at *columnIndex*.

- (NSRect)headerRectOfColumn:(NSInteger)columnIndex

Discussion

Raises an `NSInternalInconsistencyException` if *columnIndex* is out of bounds.

Availability

Available in Mac OS X v10.0 and later.

See Also

- `rectOfColumn:` (NSTableView)

Declared In

NSTableView.h

resizedColumn

If the user is resizing a column in the receiver, returns the index of that column.

- (NSInteger)resizedColumn

Discussion

Otherwise returns -1.

Availability

Available in Mac OS X v10.0 and later.

Declared In

NSTableView.h

setTableView:

Sets *aTableView* as the receiver's NSTableView.

```
- (void)setTableView:(NSTableView *)aTableView
```

Discussion

You should never need to invoke this method; it's invoked automatically when you set the header view for an NSTableView.

Availability

Available in Mac OS X v10.0 and later.

See Also

- setHeaderView: (NSTableView)

Declared In

NSTableView.h

tableView

Returns the NSTableView the receiver belongs to.

```
- (NSTableView *)tableView
```

Availability

Available in Mac OS X v10.0 and later.

Declared In

NSTableView.h

Document Revision History

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

Date	Notes
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

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