AVKit / AVNavigationMarkersGroup

Class

AVNavigationMarkersGroup

A set of markers for navigating playback of an audiovisual presentation.

tvOS 9.0+

```
class AVNavigationMarkersGroup
```

Mentioned in

📄 Presenting Navigation Markers

Overview

The most common form of a navigation markers group is a chapter list; however, you can also provide other sets of markers to allow a user to jump to significant events in the presentation. For example, a "Goals Scored" markers group might summarize key moments in a recorded sporting event. When you associate navigation markers with an AVPlayerItem object you present with an AVPlayerViewController, the user interface provides options for navigating each group.

Topics

Creating a Navigation Marker Group

init(title: String?, timedNavigationMarkers: [AVTimedMetadataGroup])

Initializes a navigation markers group with the specified title and array of timed navigation markers.

```
init(title: String?, dateRangeNavigationMarkers: [AVDateRangeMetadata
Group])
```

Initializes a navigation markers group with the specified title and array of date range navigation markers.

Inspecting Navigation Metadata

```
var title: String?
```

The title of the marker group.

```
var timedNavigationMarkers: [AVTimedMetadataGroup]?
```

The array of timed navigation markers for which the group provides navigation.

```
var dateRangeNavigationMarkers: [AVDateRangeMetadataGroup]?
```

The array of date range navigation markers for which the group provides navigation.

Relationships

Inherits From

```
NSObject
```

Conforms To

```
CVarArg
CustomDebugStringConvertible
CustomStringConvertible
Equatable
Hashable
NSObjectProtocol
```

See Also

tvOS playback and capture

📄 **Customizing the tvOS Playback Experience**

Adopt the latest features of the redesigned tvOS player user interface to provide a more streamlined way to watch your content.

📄 **Presenting Navigation Markers**

Present navigation markers in the Chapters panel to help users quickly navigate your content.

📄 **Working with Interstitial Content**

Present additional content alongside your main media presentation using HTTP Live Streaming support.

📄 **Presenting Content Proposals in tvOS**

Display a preview of an upcoming media item at the conclusion of the currently playing media item.

{} **Working with Overlays and Parental Controls in tvOS**

Add interactive overlays, parental controls, and livestream channel flipping using a player view controller.

{} **Supporting Continuity Camera in your tvOS app**

Capture high-quality photos, video, and audio in your Apple TV app by connecting an iPhone or iPad as a continuity device.

`class` `AVPlayerViewController`

A view controller that displays content from a player and presents a native user interface to control playback.

`protocol` `AVPlayerViewControllerDelegate`

A protocol that defines the methods to implement to respond to player view controller events.

`class` `AVInterstitialTimeRange`

A time range in an audiovisual presentation for content with an interstitial designation, such as advertisements or legal notices.

`class` `AVContentProposalViewController`

A view controller that proposes content to watch next.

`class` `AVDisplayManager`

A tvOS management object that controls whether a TV switches modes to match the video's native mode.

`class` `AVContinuityDevicePickerViewController`

A view controller that provides an interface to a person so they can select and connect a continuity device to the system.

protocol AVContinuityDevicePickerViewControllerDelegate

An interface that responds to events from a continuity device picker view controller.