Structure

LookAroundPreview

A view that provides a Look Around preview for a specific geographic location.

⬙ MapKit | ⬙ SwiftUI | iOS 17.0+ | iPadOS 17.0+ | Mac Catalyst | macOS 14.0+ | visionOS

```swift
@MainActor @preconcurrency
struct LookAroundPreview
```

Overview

Use a `LookAroundPreview` to create preview imagery for a specific geographic location on the map that you can place in your view. In the following example, a travel recommendations app displays and styles a stack of Look Around previews it generates from an array of `Itinerary Item` structures that contain the location's title and Look Around scene:

```swift
struct LookAroundPreviewsView: View {
    let itinerary: [ItineraryItem]
    var body: some View {
        ScrollView {
            LazyVStack {
                ForEach(itinerary) { item in
                    LookAroundPreview(initialScene: item.lookAroundScene)
                        .frame(height: 128)
                        .overlay(alignment: .bottomTrailing) {
                            Text(item.title)
                                .font(.caption)
                                .foregroundColor(.white)
                                .padding()
                        }
                }
            }
```

```
                }
            }
        }
    }
```

To display a Look Around viewer a person can explore, apply a `lookAroundViewer` view modifier to a specific view, then add a control the user interacts with to display the Look Around viewer. In the following example, the `lookAroundViewer` view modifier observes a binding to Boolean value to determine whether to display the Look Around viewer.

```swift
    var lookAroundScene: MKLookAroundScene?

    @State private var isLookingAround: Bool = false

    var body: some View {
        MyInterestingView()
            .lookAroundViewer(isPresented: $isLookingAround, initialScene: lookArou
            .toolbar {
                ToolbarItem {
                    Button(action: { lookingAround = true }) {
                        Image(systemName: "binoculars")
                    }
                }
            }
    }
```

Topics

Creating a Look Around preview

`init(initialScene: MKLookAroundScene?, allowsNavigation: Bool, shows RoadLabels: Bool, pointsOfInterest: PointOfInterestCategories, badge Position: MKLookAroundBadgePosition)`

Creates a Look Around preview with an initial scene, navigation, road label, points of interest, and badge position you specify.

`init(scene: Binding<MKLookAroundScene?>, allowsNavigation: Bool, shows RoadLabels: Bool, pointsOfInterest: PointOfInterestCategories, badge Position: MKLookAroundBadgePosition)`

Creates a Look Around preview with a binding to a scene, navigation, road label, points of interest, and badge position you specify.

Relationships

Conforms To

`Sendable`, `SendableMetatype`, `View`