

[MapKit](#) / MapCircle

Structure

MapCircle

A circular overlay with a configurable radius that you center on a geographic coordinate.

MapKit | SwiftUI | iOS 17.0+ | iPadOS 17.0+ | Mac Catalyst | macOS 14.0+ | tvOS 17.0+ | visionOS | watchOS 10.0+

```
struct MapCircle
```

Overview

Use this view to create circular overlays in the closure you provide to the `content` parameter in [Map](#) initializers.

Topics

Creating a map circle

```
init(MKCircle)
```

Creates a circle overlay from an existing map circle object.

```
init(center: CLLocationCoordinate2D, radius: CLLocationDistance)
```

Creates a circle with the center coordinate and radius you specify.

```
init(mapRect: MKMapRect)
```

Creates the largest possible circle centered within the given map rectangle.

Relationships

Conforms To

Copyable, MapContent

See Also

Annotations and overlays

`struct Annotation`

A customizable annotation used to indicate a location on a map.

`struct MapPolygon`

A closed polygon overlay.

`struct MapPolyline`

An open polygon overlay consisting of one or more connected line segments.

`struct Marker`

A balloon-shaped annotation that marks a map location.

`struct UserAnnotation`

Displays the person's current location on the map.