Article

# Swift Charts updates

Learn about important changes to Swift Charts.

## Overview

Browse notable changes in Swift Charts.

## June 2025

- Visualize data in 3D with `Chart3D`, and render bivariate functions using `SurfacePlot`. Use plot types such as `PointMark`, `RectangleMark`, and `RuleMark` that now conform to `Chart3DContent`.

## June 2024

- Plot large collections of data with greater efficiency using new plot types such as `LinePlot`, `AreaPlot`, `BarPlot`, and others that conform to `VectorizedChartContent`.

- Graph mathematical functions by passing an equation to a closure when you initialize a `LinePlot` or `AreaPlot`.

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## See Also

### Technology updates

📄   Accelerate updates

Learn about important changes to Accelerate.

📄 Accessibility updates

Learn about important changes to Accessibility.

📄 ActivityKit updates

Learn about important changes in ActivityKit.

📄 AdAttributionKit Updates

Learn about important changes to AdAttributionKit.

📄 App Clips updates

Learn about important changes in App Clips.

📄 App Intents updates

Learn about important changes in App Intents.

📄 AppKit updates

Learn about important changes to AppKit.

📄 Apple Intelligence updates

Learn about important changes to Apple Intelligence.

📄 AppleMapsServerAPI Updates

Learn about important changes to AppleMapsServerAPI.

📄 Apple Pencil updates

Learn about important changes to Apple Pencil.

📄 ARKit updates

Learn about important changes to ARKit.

📄 Audio Toolbox updates

Learn about important changes to Audio Toolbox.

📄 AuthenticationServices updates

Learn about important changes to AuthenticationServices.

📄 AVFAudio updates

Learn about important changes to AVFAudio.

📄 AVFoundation updates

Learn about important changes to AVFoundation.