

[AppKit / Animation](#)[API Collection](#)

Animation

Animate your views and other content to create a more engaging experience for users.

Topics

View-Based Animations

`class NSViewAnimation`

An animation of an app's views, limited to changes in frame location and size, and to fade-in and fade-out effects.

`protocol NSAnimatablePropertyContainer`

A set of methods that defines a way to add animation to an existing class with a minimum of API impact.

`class NSAnimationContext`

An animation context, which contains information about environment and state.

`typealias Progress`

The animation progress, as a floating-point number between `0.0` and `1.0`.

`enum NSAnimationEffect`

The type for standard system animation effects, which include both display and sound.

Deprecated

Presentations

```
protocol NSViewControllerPresentationAnimator
```

A set of methods that let you define animations to play when transitioning between two view controllers.

Custom Animations

```
class NSAnimation
```

An object that manages the timing and progress of animations in the user interface.

```
protocol NSAnimationDelegate
```

A set of optional methods implemented by delegates of [NSAnimation](#) objects.

See Also

User Interface

≡ Views and Controls

Present your content onscreen and handle user input and events.

≡ View Management

Manage your user interface, including the size and position of views in a window.

≡ View Layout

Position and size views using a stack view or Auto Layout constraints.

≡ Appearance Customization

Add Dark Mode support to your app, and use appearance proxies to modify your UI.

≡ Windows, Panels, and Screens

Organize your view hierarchies and facilitate their display onscreen.

≡ Sound, Speech, and Haptics

Play sounds and haptic feedback, and incorporate speech recognition and synthesis into your interface.

📄 Supporting Continuity Camera in Your Mac App

Incorporate scanned documents and pictures from a user's iPhone, iPad, or iPod touch into your Mac app using Continuity Camera.