

Designing Apps with Scroll Views

You don't have to write your own. Really.

Josh Shaffer and Eliza Block

iPhone Frameworks and Applications Engineers

ConfigurationZooming and paging



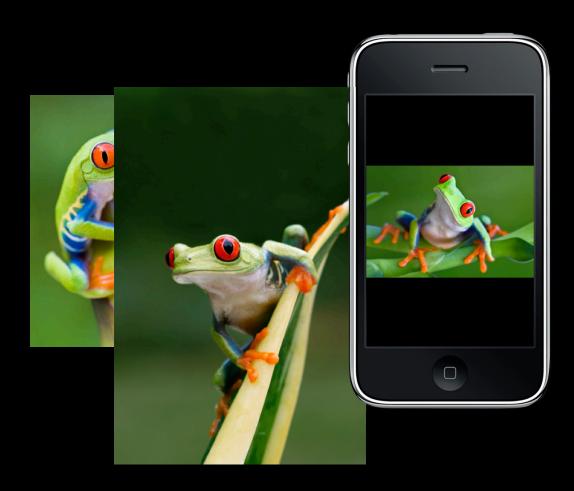




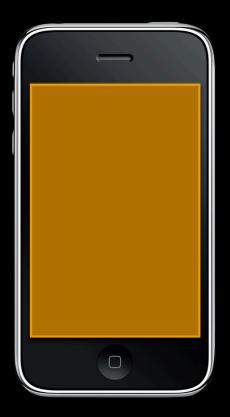




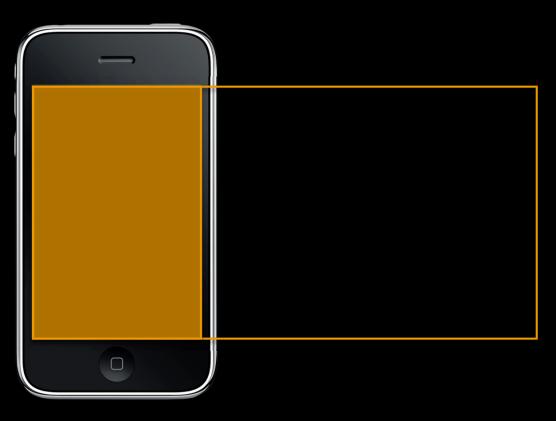




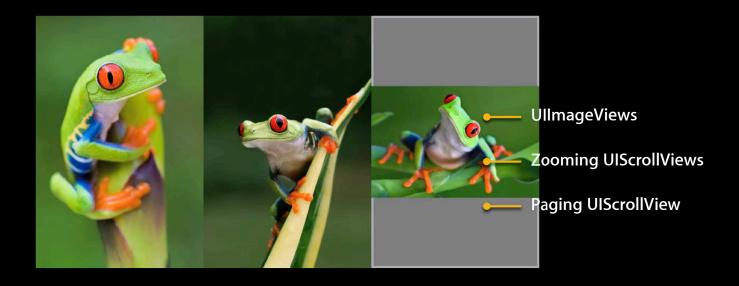




setContentSize

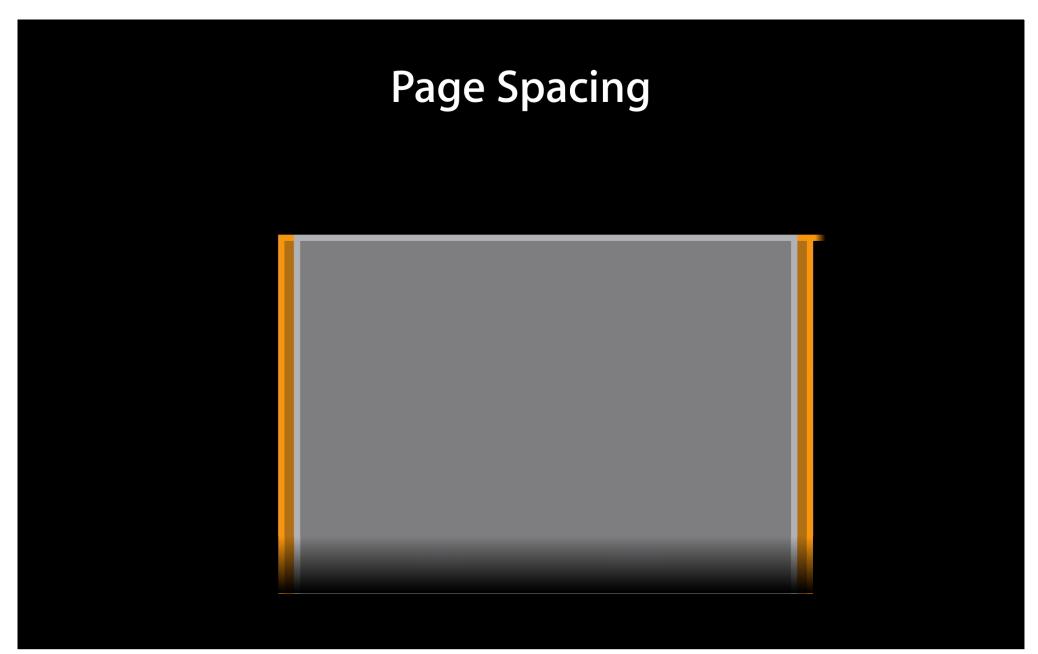








Zooming—320 points



Demo

Eliza Block

iPhone Applications Engineer

Experience Load time and memory usage

Why Tile?

- Display more than will fit in memory
- Download pieces of content as needed
- Improve load time

Tiling Techniques







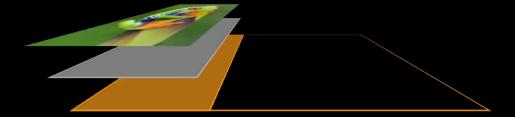




Paging and Zooming



Paging and Zooming



Paging and Zooming

Where to Tile UIScrollViewDelegate

- (void)scrollViewDidScroll:(UIScrollView *)scrollView;

Demo

Eliza Block

iPhone Applications Engineer

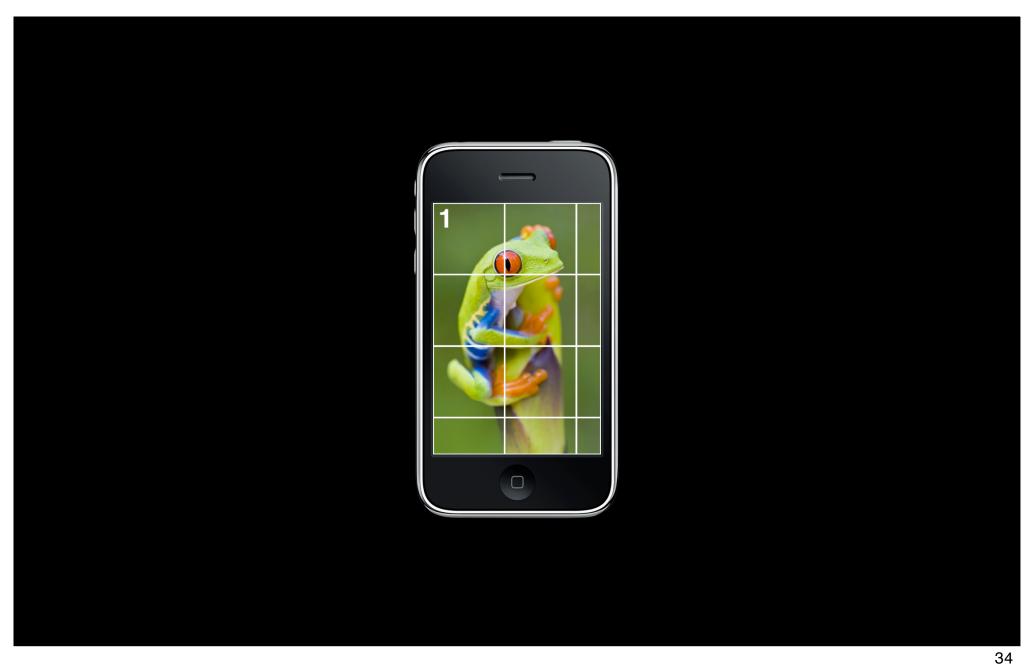
Responsiveness Tiling with CoreAnimation

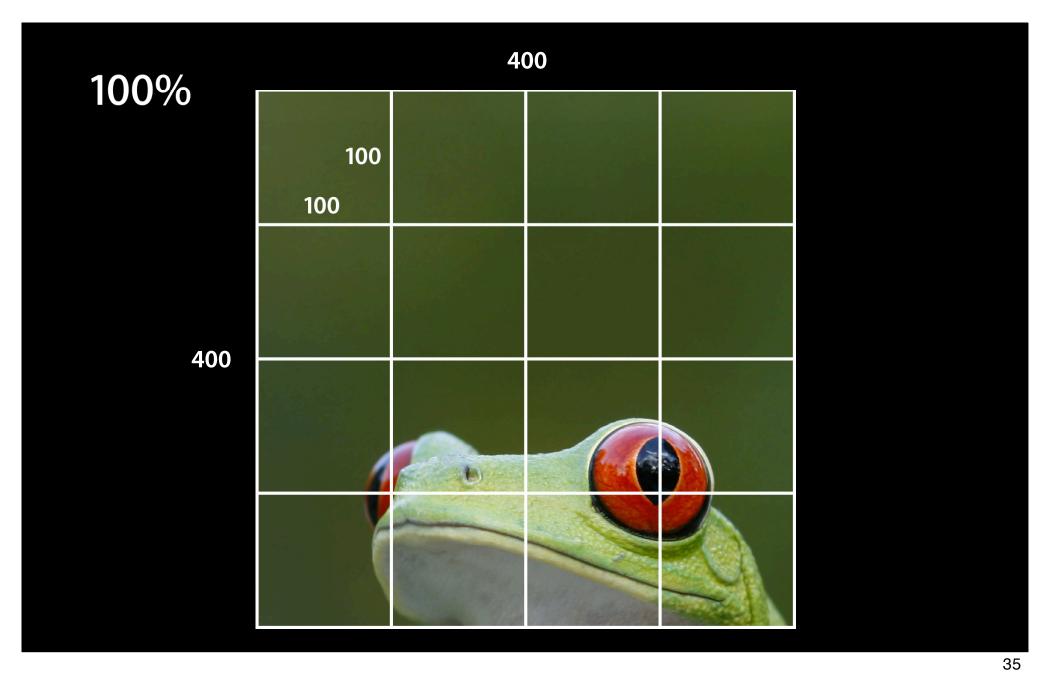


Tiling Techniques

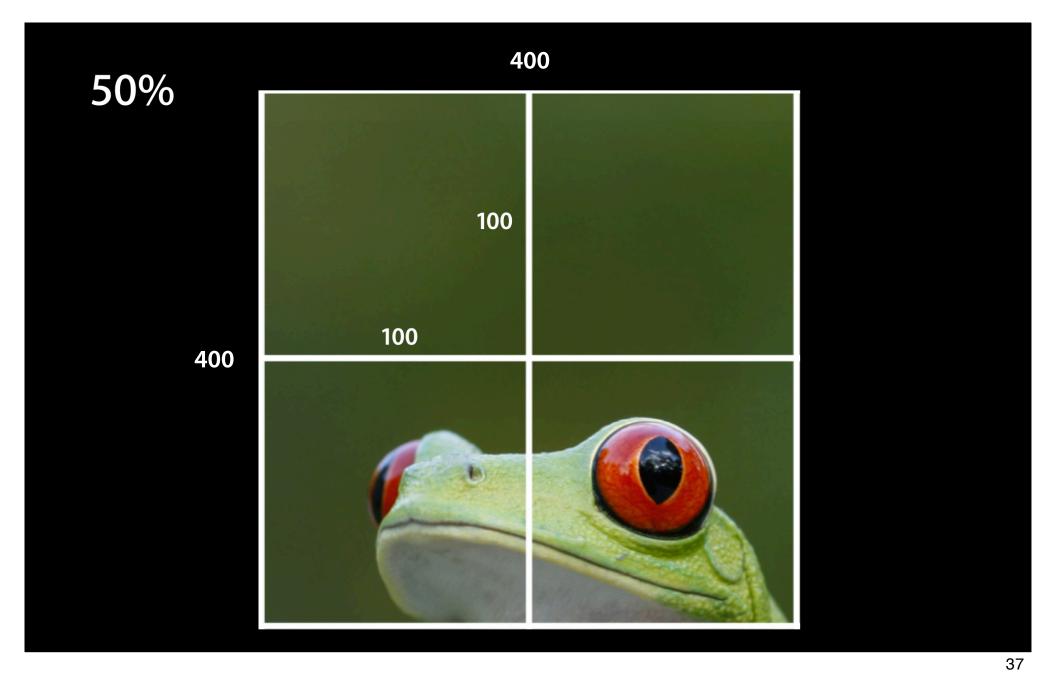




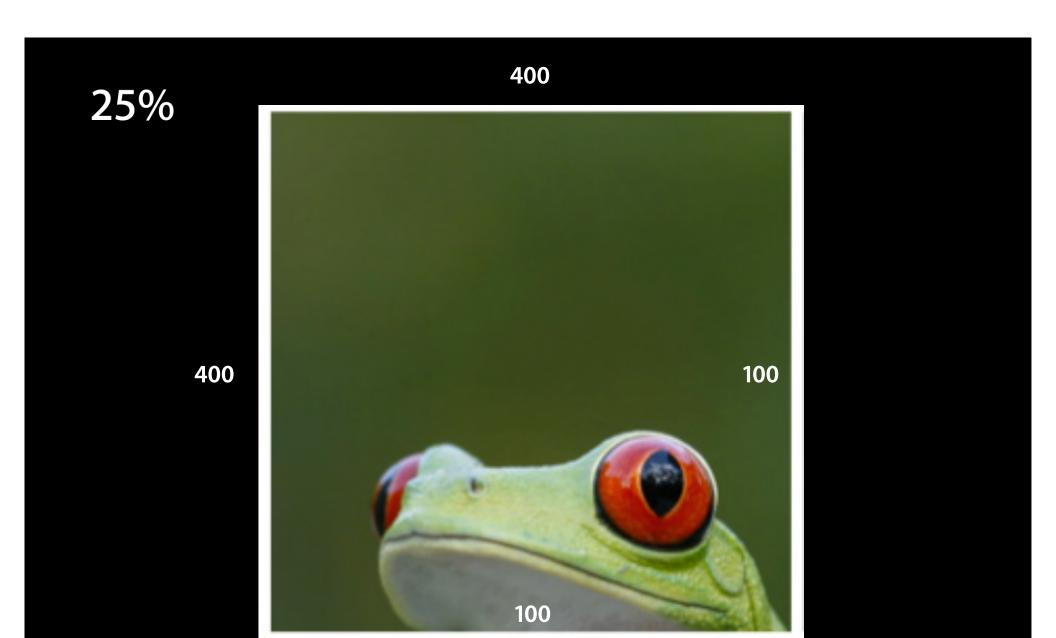




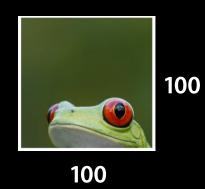


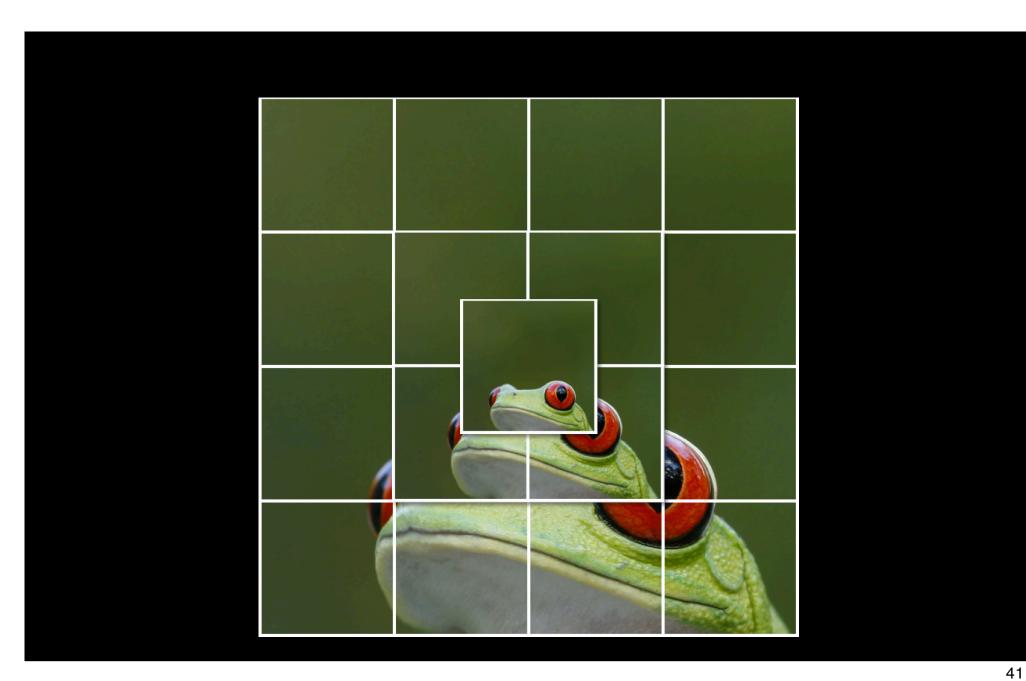






25%





CATiledLayer

Two methods

Thread Safe UlKit Drawing



- UIGraphicsGetCurrentContext
- Ullmage
- UlColor
- UlFont

http://developer.apple.com/iphone/library/qa/qa2009/qa1637.html

Demo

Eliza Block

iPhone Applications Engineer

More Information

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Documentation

UIScrollView Class Reference http://developer.apple.com/iphone/library/documentation/UIKit/Reference/UIScrollView_Class/Reference/UIScrollView.html

Apple Developer Forums

http://devforums.apple.com

Related Sessions

Simplifying Touch Event Handling with Gesture Recognizers	Pacific Heights Wednesday 3:15PM
Mastering Table Views	Pacific Heights Thursday 11:30AM

Labs

Cocoa Touch Lab	Application Frameworks Lab D Tuesday 2:00PM
Scroll View Lab	Application Frameworks Lab A Tuesday 2:00PM
Cocoa Touch Lab	Application Frameworks Lab B Wednesday 11:30AM
Cocoa Touch Lab	Application Frameworks Lab C Thursday 9:00AM
Cocoa Touch Lab	Application Frameworks Lab C Friday 9:00AM
Scroll View Lab	Application Frameworks Lab B Friday 11:30AM

Summary

- You don't have to write your own
- Really



