TODAY

• Converting coords from scrollview context to content context
• Image scroller demo
  • w/ pic in assets
• Image scroller demo
  • pic accessed from URL
  • split screen VC
    • segues
• Loading from URLs

TRANSLATING

• If have a tap recognizer and want to center screen around it
  • must convert coordinates:
    • from the scrollview context
    • to the image (contentSize) context

```swift
@objc func tap(recog: UITapGestureRecognizer) {
  if recog.state == .ended {
    let location = recog.location(in: scrollView)
    let pt = imageView.convert(location, from: scrollView)
    let visible = imageView.convert(scrollView.bounds, from: scrollView)
    scrollView.contentOffset.x += (pt.x - visible.midX) * scrollView.zoomScale
    scrollView.contentOffset.y += (pt.y - visible.midY) * scrollView.zoomScale
  }
}
```
URL

- Local through (usually the “main”) bundle
  - URL = Bundle.main.URL(forContent: “pretty”, withExtension: “jpg”)

- Remote through normal URL
  - URL = URL(string: “http://kelehers.me/orion.jpg“)