

Sprite Kit

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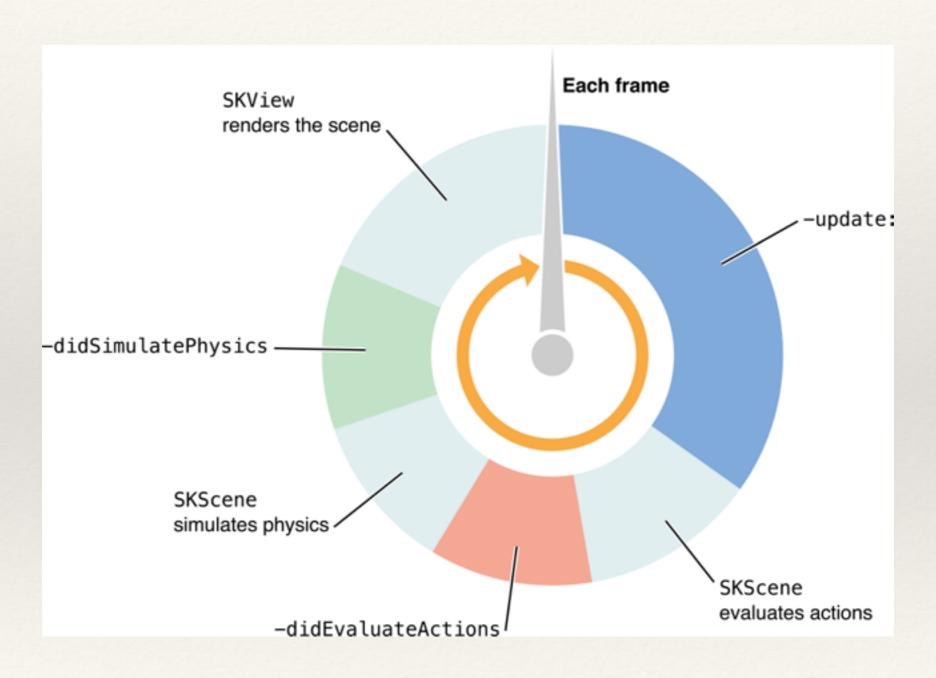
@jondejong https://github.com/jondejong/playme

SpriteKit

- * Benefits
- * Drawbacks

ViewController SKView : UIView SKScene : SKNode SKSprite : SKNode SKNode

Scene Processing



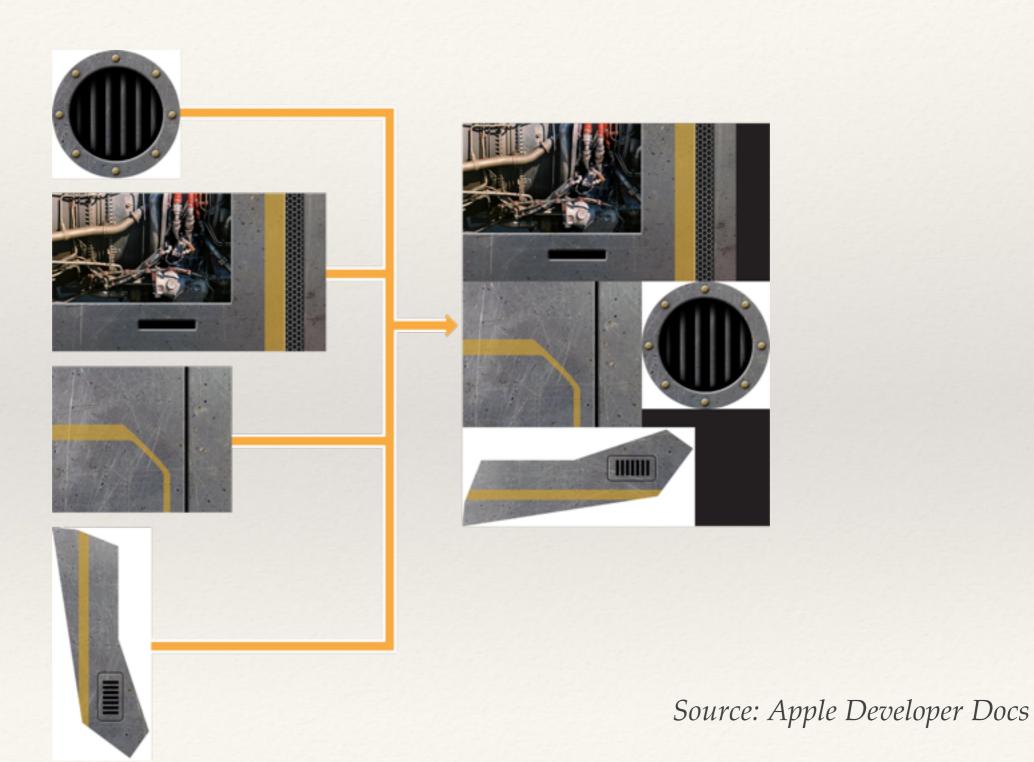
Source: Apple Developer Docs

- * Sprite basics
- * Animations
- Scene Transitions
- * Basic physics bodies

- Controlling a physics body with user input
- * Labels
- Collision Handling

- More Storyboard integration
- * UIKit integration

Texture Atlas



PhysicsBody Types

- Volume-based Physics Bodies
 - * bodyWithCircleOfRadius:
 - * bodyWithRectangleOfSize:
 - * bodyWithPolygonFromPath:
- Edge-based Physics Bodies
 - * bodyWithEdgeLoopFromRect:
 - * bodyWithEdgeFromPoint:toPoint:
 - bodyWithEdgeLoopFromPath:
 - * bodyWithEdgeChainFromPath:

Physics Body Properties

- * mass
- * friction
- * linearDamping
- * angularDamping
- * affectedByGravity
- * allowsRotation
- * restitution
- * dynamic

Collision Detection

- * Controlled with a series of bit masks
- * categoryBitMask
 - Defines the physics body itself
- * collisionBitMask
 - * Defines what objects collide in the physics simulation
- * contactTestBitMask
 - Defines which object contacts will fire a contact event

Moving Physics Bodies

- * applyForce:
- * applyTorque:
- * applyForce:atPoint:
- * applyImpulse:
- * applyAngularImpulse:
- * applyImpulse:atPoint:

Now go create the next Flappy Birds

Thank you!



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