CYWEE

Where technology entertains

Technical Presentation:
Motion Technology and Gaming Applications
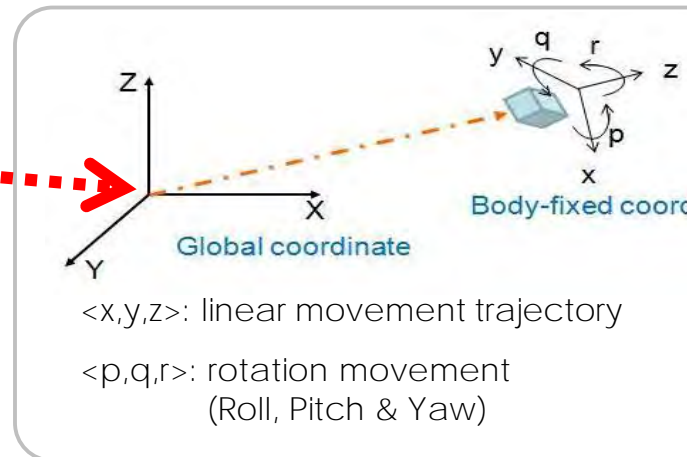
September 2010

Overview

- ❑ What is motion gaming?
- ❑ Motion Gaming Evolution.
- ❑ Popular motion gaming solutions.
- ❑ How to use SDK for motion game development
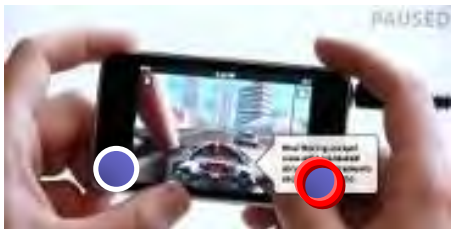
Motion Gaming Introduction

Motion Gaming Introduction

$<x,y,z>$: linear movement trajectory

$<p,q,r>$: rotation movement
(Roll, Pitch & Yaw)

These are tra
motions for g

**Movement : 1:1
real-time motion
tracking**

"Motion Gaming" captures human body movements (translation
rotation) through a variety of sensors -- enabling 1:1 game play w
real-time motion response.

Motion Gaming Types

Non-motion Gaming

Use buttons to steer car

Use buttons to shoot

Motion Gaming

Use motion to steer

Use motion to shoot

Motion gamin

❑ Racing (3D r
   motorcycle r
   etc.)

❑ Flying (airpla
   shooting, flig
   simulation, e

❑ Sporting (ter
   baseball, bo
   table tennis,

❑ Action (fishin
   cooking, etc

❑ Shooting (firs
   shooting gar

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