

# Designing dynamic multitouch interaction

# for games with realistic physics-based animation

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### **Project Objectives:**

Study touch interaction and create an interaction that is able to bring realistic physics-based animation applications

Exploit touch devices' ability that has not been utilized by the common 1Finger interaction set

## Study process

Study touch devices' ability Design the interaction set Conduct a user study to validate the realism and ease to control of

### **Proposed interaction set**

An interaction set of 1Finger interactions 2Finger interactions to achieve and simplicity and realism.

# **Proposed 2F interaction score:**

interaction set

2F interaction	Realism score	Controlla bility score
Rotate object	Realistic	High
Add torque to object	Neutral	Low

### **User study results**

Compare with common 1F interaction set in a specific context (bowling game)

