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Formal Elements of Games



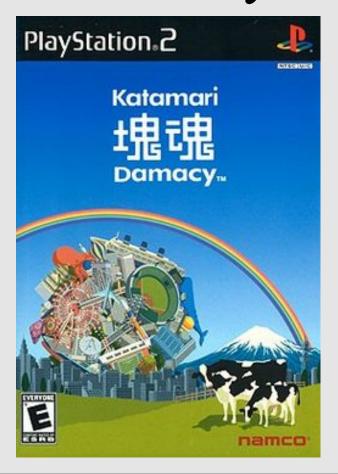
Formal Elements of Games

Based of Chapter 3 of Game Design Workshop

by Tracy Fullerton



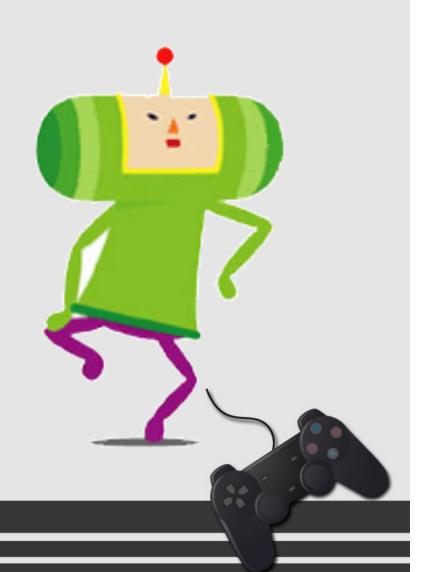
Formal Elements of Katamari Damacy





Players

- 1 player
- 2 players (split screen mode)



Player Interaction Mode

• Single player versus game



Player Interaction Mode

Player versusPlayer



Other interaction modes not in Katamari Damacy

- Multiple Individual Players vs. Game (bingo)
- Multilateral Competition (poker, Quake, etc.)
- Unilateral Competition (tag, Scotland Yard)
- Cooperative Play (LotR board game, EverQuest coop quests)
- Team Competition (Battlefield 1942, football)



Objective

- Primary: Make your Katamari as big as the King of All Cosmos requires
- Secondary:
 - Pick up presents
 - Substantially surpass the kings expectations of katamari size
 - Various side quests

General Objective Categories

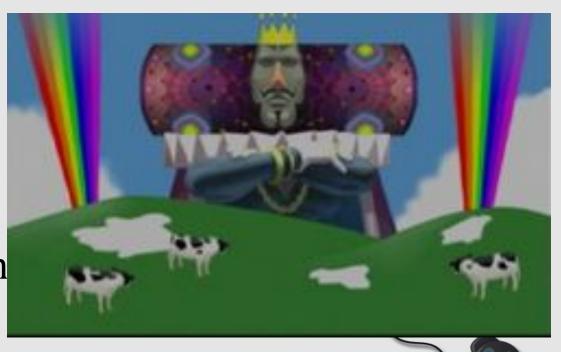
- Capture items in the environment
- Explore the environment
- Lesser Objectives:
 - Chase creatures in environment
 - Be chased if you're too small
 - Align items you roll up (in optimal orientation)

Other General Objective Categories not in Katamari Damacy

- Chase (Terminator)
- Race (Gran Turismo)
- Rescue or Escape (Super Mario Bros., Ico)
- Forbidden Act (Operation)
- Construction (SimCity)
- Solution (Monkey Island)
- Outwit (Trivial Pursuit)

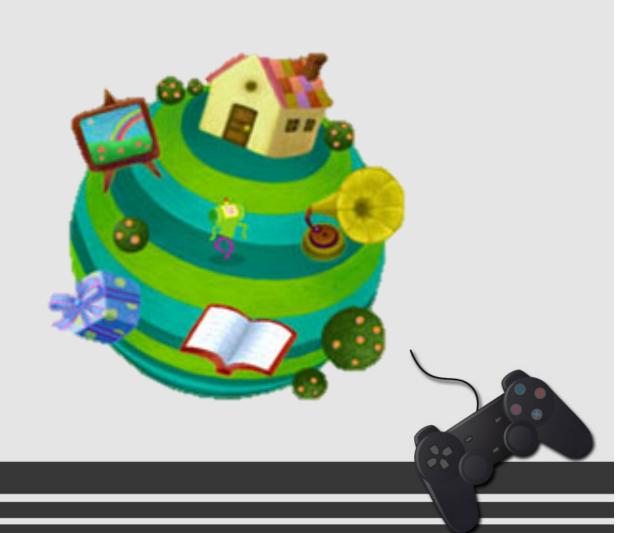
Procedures

- Starting Action
- Progression of Action
- Special Actions
- Resolving Action



Starting Action

• Globe menu



Progression of Action

- Dual Stick Controls ("tank style" like BattleZone)
 - Speed charge up
 - Quick turn around
- Shoulder buttons
 - Look mode
 - Jump (for view)



Special Actions

• None – there are special objectives, but procedure remains the same throughout



Resolving Action

• Generally no special action is taken to complete a level (just wait for time to run out as dictated by **System Procedures**)

• One of the side quests requires selecting when

to end level

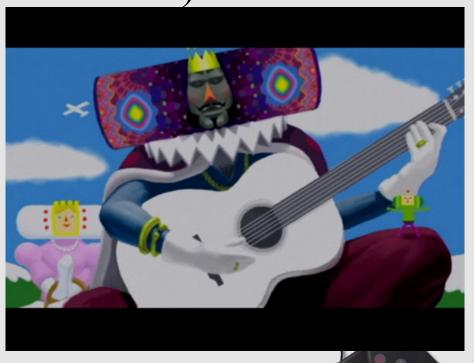


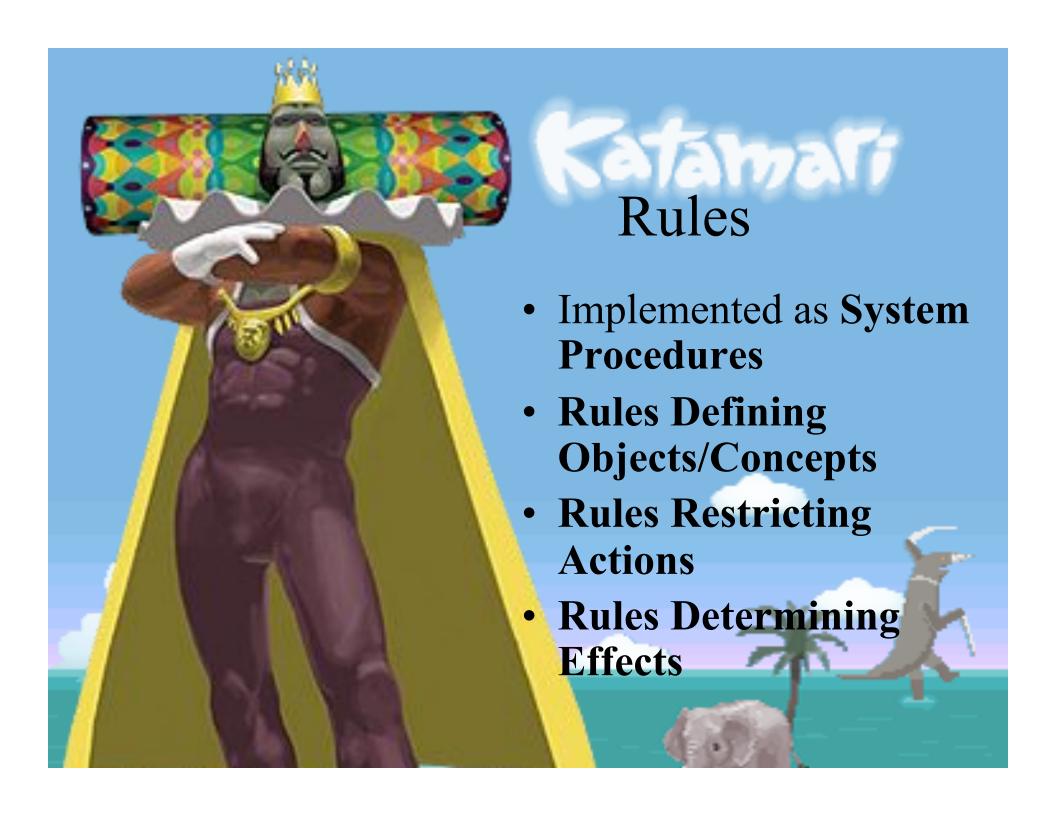


System Procedures

• Explicit Rules (such as time limit)

- AI
- Collision Detection
- Etc.





Rules Defining Objects/Concepts

• Katamari is an object that the prince pushes to collect junk

• Simplified objects representing things from the

real world



Rules Restricting Actions

- Time Limit
- Physical boundaries
- Path blocked by obstacles



Rules Determining Effects

Roll over a small object, you pick it up

• Attempt to roll over a big object, will cause you to bump against it and jar some items

loose

Small animals run away

• Big animals attack





Conflict

Obstacles

- Large items
- terrain
- Opponents
 - animals

Dilemmas

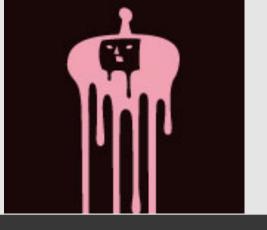
- Deciding where to go to pick stuff up



Boundaries

- Continuously evolving based on perspective
 - Size of Katamari dictates what is a boundary or not
 - Too small: can't roll over steps, fences, etc.
 - Get too big, you get closed off from small passage

ways





Outcome

- Meet Kings objective? Move on to next level until all levels are complete (award: see ending sequence)
- Fail? Try level again!
- Find present? Available item to use in future levels (mostly just decorations)
- Fail? Try level again!
- Try to set personal bests



