Game design and free to play TC3 : Gameplay Mickaël Martin Nevot



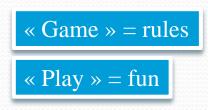
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Game design and free to play

- I. Presentation
- II. Mkg
- III. Concept
- IV. Gameplay
- V. L&F/LD
- VI. Doc./proto.
- VII. Ludi.

Gameplay

• « Playability », handling, difficulty



- Give a **sensation of freedom** to the player in a open and interactive world while guiding him
- Rational game design (RGD) :
 - Rational description of the mechanics (*gameplay*, mechanics, *challenges*, game system)

"The gameplay, from game's rules point of view, consists by rules which define objectives to achieve associated with other rules which specify ways and constraints to reach these goals"

— Julian Alvarez





Gameplay principle

Micro-gameplay

- Core and tile of the game
- 3C
- Failure and success
- Difficulty and virtuosity
- Gameplay indicators

Micro-gameplay : game details

Macro-gameplay

- Game loop
- Motivation
- Game system
- Narration
- Game structure

Macro-gameplay : whole game



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Core and tile of the game

• Coregameplay:

- Main mechanics of game
- Monocore ou multicore
- Kind of core: FPS, plateform, race, etc.

• Game tile:

- Satellite element Build like Lego
- Tile classification:
 - Hero capacities: weapons, moves, attacks, etc.
 - Enemy: enemy type, behavior, etc.
 - Interactive elements: levers, trap, bonus, etc.
 - Map: topology, points of interest, etc.
 - "Abstracts": countdown, order of execution, etc.



Realise monocore or multicore bring different difficulties

Game classification

- **Competition** (*agôn*)
- **Random** (*alea*)
- Simulacre (mimicry)
- Impression of **vertigo** (*ilinx*)

Paidia : game without rules (play)

Ludus : Game with rules (*game*)

	AGON (compétition)	ALEA (chance)	MIMICRY (simulacre)	ILINX (vertige)
PAIDIA vacarme agitation fou-rire	courses luttes etc. athlétisme	pile ou face comptines	imitations enfantines jeux d'illusion poupée, panoplics masque travesti	manège « tournis » enfantir balançoire valse
cerf-volant solitaire réussites mots croisés LUDUS	boxe billard escrime dames football échecs compétitions spor- tives en général	pari roulette loteries simples composées ou à report	théâtre arts du spectacle en général	volador attractions foraines ski alpinisme voltige

REPARTITION DES JEUX

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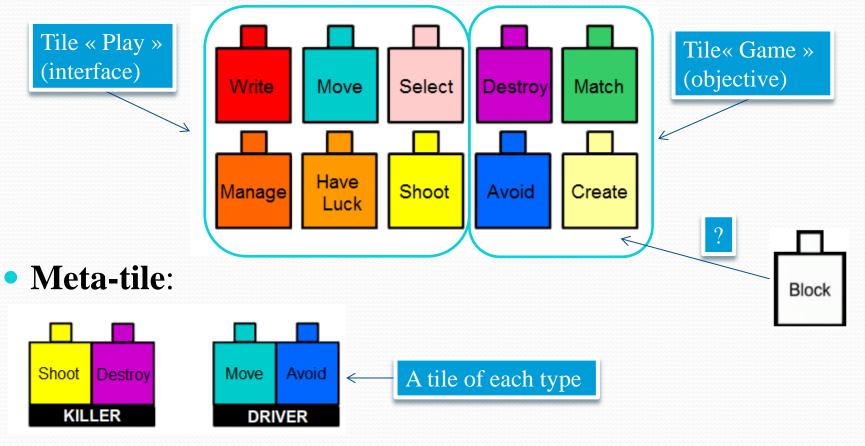
Video Game kind

http://www.youtube.com/watch?v=pbyu7UNk2QM



Gameplay tiles

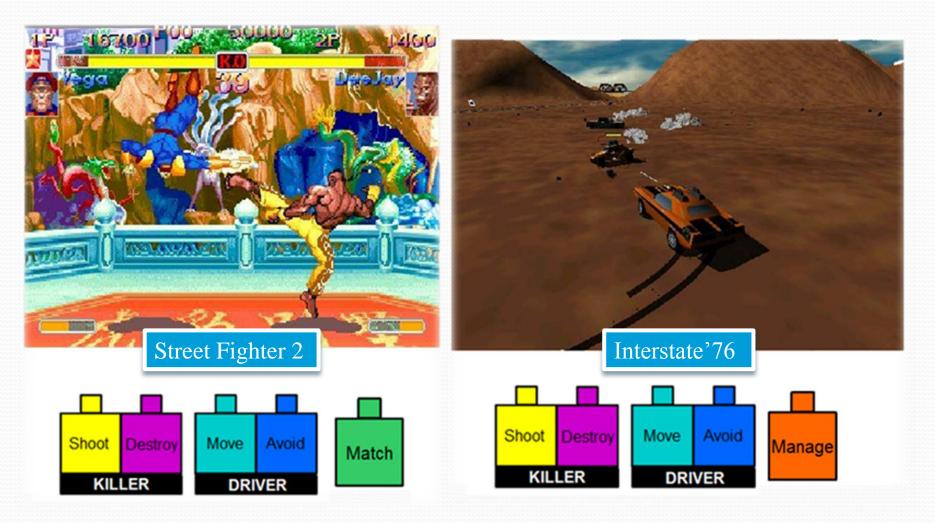
• 10 to 11 elementary tiles:



http://gameclassification.com

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Gameplay tiles



Cameras, controls and character

- **Cameras** (view): subjective, third person, panoramic view
- Controls:
 - Must be adapted to the **view**, to the **player** level, to the complexity of the gameplay
 - Concerning the screen or the character (according to the view)

• Character:

- Determine the possible character actions
- Must be coherent with "controls"
- Can alter the view (thermographic vision)

3C are combined



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Challenge and flow

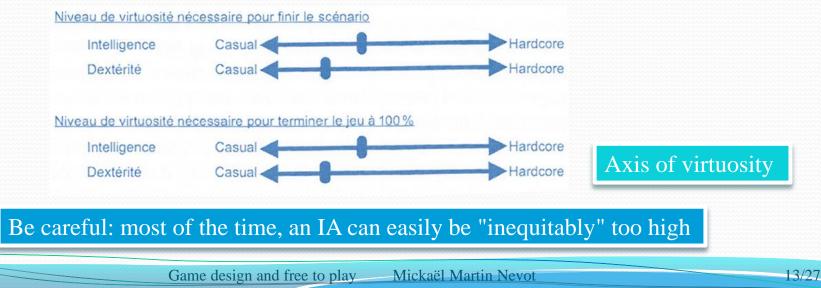
- Challenge: test, proof
- Flow: psychological state of a person totally **immersed** in the achievement of a **task**
 - Generally characterized by:
 - Very high level of **concentration** and **focus**
 - Wrong time perception
 - Obtained thanks to:
 - Clear and specific objectives
 - Valuation of the intrinsic activity effort
 - Balance between **capacities** and **objective**

Flow happen from a challenge of good difficulty but motivating

Failure, success and difficulty

• Failure and success:

- Oscillation for the player between failure and success
- Difficulty and virtuosity:
 - Potential players identification
 - Level of control (virtuosity) identification
 - Adapt the difficulty (game tile): progressive challenge





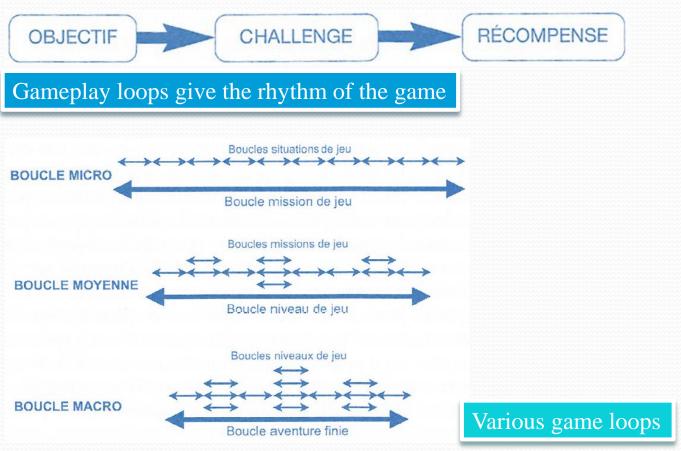
Virtuosity \neq dexterity

Gameplay indicators

- Generals characteristics:
 - Perceptible: easy to see, with high priority
 - Without ambiguity (formal) : obvious sense
- Sign (stimulus in the actions of the player):
 - Understandable: adapted and coherent form
- Feedback (answer to the action of the player):
 - Immediate: no lag with the action
 - Connected to action: clear association with action

Gameplay indicators are not elements of the HUD, they must be staged and integrated into the game by protecting immersion and coherence





Almost (Blizzard) : ensure that there is always a "almost" ended game loop: the closeness of an objective creates a strong attraction

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Reward

- Characteristics:
 - Relative to challenge level
 - Proportional to effort
 - Correlated with the universe
 - Several forms:

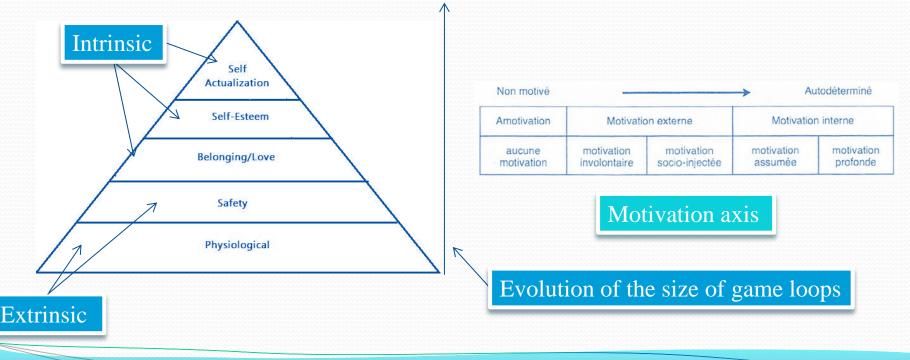


- Game element: new possibilities, armor, potion, etc.
- Universe element: kinematics, customisation, making-of, etc.
- Choice rewards/"Punishment" Some games have no "punishment"
- **Reward system**: define nature and frequency of rewards according to game loops

Rewards are directly linked to game loops

Motivation

- Motivation type:
 - Extrinsic motivation (for the player): game bonus
 - Intrinsic motivation (for the player): "real" profits
- Motivation chain: linked to game loops



Game pleasures

- Pleasures inferred by (game) experience:
 - Items collection and inferred pride
 - Growing power sensation
 - Exploration, map discovery, intrigues discovery
 - Completion feeling (secondary quests)
 - Speed sensation
 - Competition (especially inter-players)
 - Creation and management
 - Emotions (sadness, fear, etc.)
 - Player **accountability** (interactive investigations)
 - Mutual aid and solidarity with players or characters

Game system

- Rules:
 - For the player
 - For the environment
 - For the artificial intelligence (AI)
- Goal and objectives hierarchy
- Choice:
 - Nature: strategic or tactical
 - Interest: often both positive and negative aspect
 - Formalization (balance)
 - Nondominant strategies (zero-sum games)

To preserve game interest : no dominant strategy (or a losing one)



"A game is a sequence of interesting choices " — Sid Meier

Narration

- Backbone with nodes
- Immersion methods in game experiences
- Writing within space (rarely within time for video games)
- Consumer centric approach (as IHM) :
 - Progressive learning of game system (5-6 infos at a time)
 - Game adaptation to player (AI player manager)

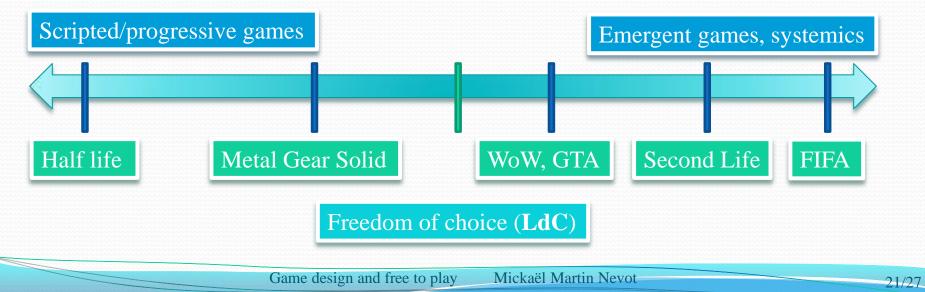
(Game) experiences have to be the same for all players

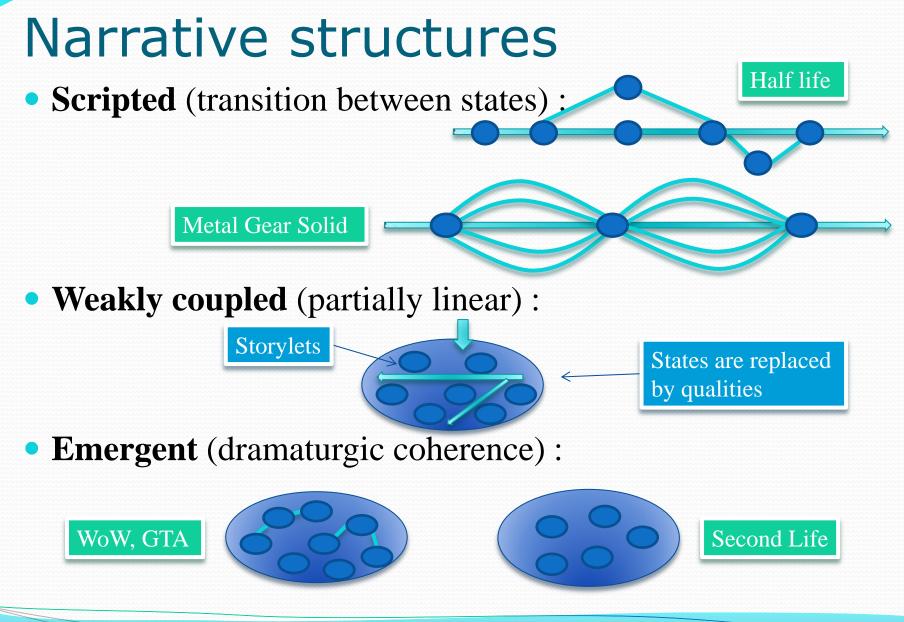
FRSON OF INTEREST Husband of murder vic



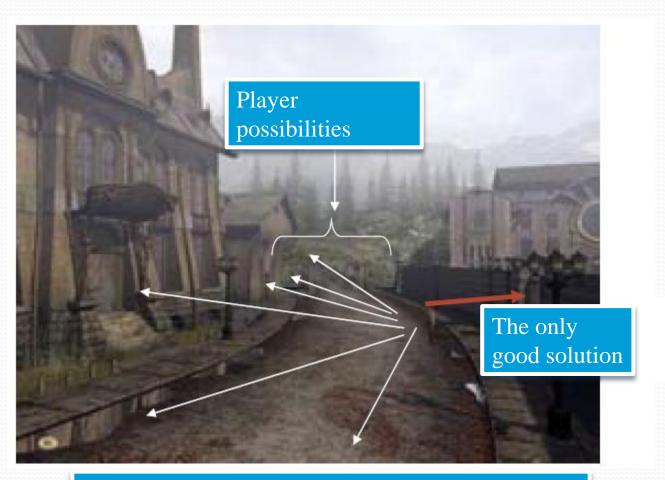
Freedom of choice





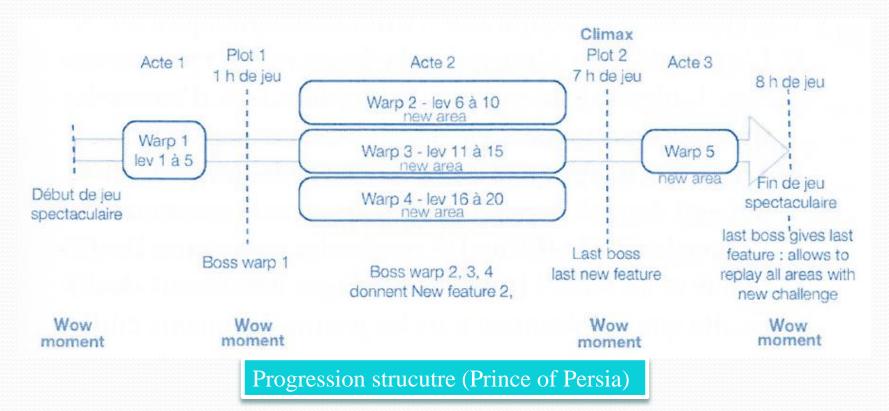


Scenarios



Script ("playful package"): (partial) order of events

Progression



Warp (rooms): area with "central place"

Wow moment: great unforgettable moment

Cosmogony and game structure

• Cosmogony:

- Environment
- Rules, geography, universe history
- **Game structure**: spatiotemporal distribution of recreational activities



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Emergent gameplay

- Possibility of unexpected actions made possible by game system:
 - Artificial emergence (willingly) :
 - GTA, WoW (Role-playing)
 - Emergence (under control) :
 - Deus Ex (Allied or enemy faction, etc.)
 - Natural emergence (unintentional)
 - Quake rocket jump (bug exploit)



Credits





