

GAME ANALYSIS FRAMEWORKS

Topics

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- **Common Frameworks for Ludology**

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 - **MDA: Mechanics, Dynamics, and Aesthetics**

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 - **MDA: Mechanics, Dynamics, and Aesthetics**
 - **Formal, Dramatic, and Dynamic Elements**

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 - **MDA: Mechanics, Dynamics, and Aesthetics**
 - **Formal, Dramatic, and Dynamic Elements**
 - **Elemental Tetrad**

MDA: Mechanics, Dynamics, & Aesthetics

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 - **Mechanics:** The particular components of the game at the level of data representation and algorithms
 - **Dynamics:** The runtime behavior of the mechanics acting on player inputs and each other's outputs over time
 - **Aesthetics:** The desirable emotional responses evoked in the player when she interacts with the game system

MDA: Mechanics, Dynamics, & Aesthetics

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MDA: Mechanics, Dynamics, & Aesthetics

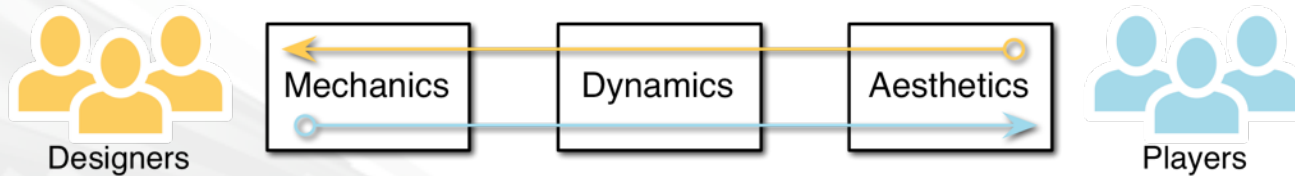
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Formal, Dramatic, and Dynamic Elements

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- **Dynamic elements:** The game in motion. Once players turn the rules into actual gameplay, the game has moved into dynamic elements. Dynamic elements include things like strategy, behavior, and relationships between game entities.

Formal, Dramatic, and Dynamic Elements

Formal, Dramatic, and Dynamic Elements

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Formal, Dramatic, and Dynamic Elements

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 - **2. Objective:** What are the players trying to achieve in the game? When has someone won the game?

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 - In Chess, the final outcome is that one player will win, and the other will lose
 - In an RPG, there are several incremental outcomes

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 - **1. Premise:** The basic story of the game world

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- **1. Premise:** The basic story of the game world
 - **Monopoly:** The players are real-estate developers trying to get a monopoly on corporate real estate in Atlantic City, New Jersey

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 - The premise forms the basis around which the rest of the game's narrative is built

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Formal, Dramatic, and Dynamic Elements

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Formal, Dramatic, and Dynamic Elements

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 - But, everyone **must** playtest to understand a game

The Elemental Tetrad



The Elemental Tetrad

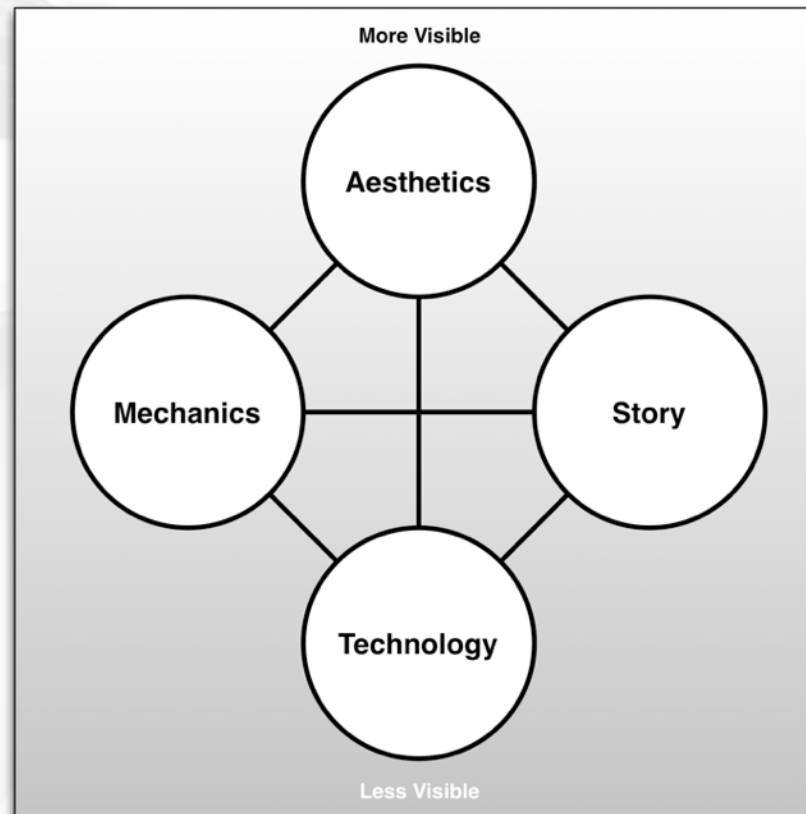
- From *The Art of Game Design: A Book of Lenses* by Jesse Schell

The Elemental Tetrad

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The Elemental Tetrad

The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad

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- Sound

The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad



The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad



The Elemental Tetrad

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The Elemental Tetrad

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The Elemental Tetrad

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 - Schell's story includes premise and character as well

The Elemental Tetrad



The Elemental Tetrad

- Schell arranges the elements in a tetrad

The Elemental Tetrad

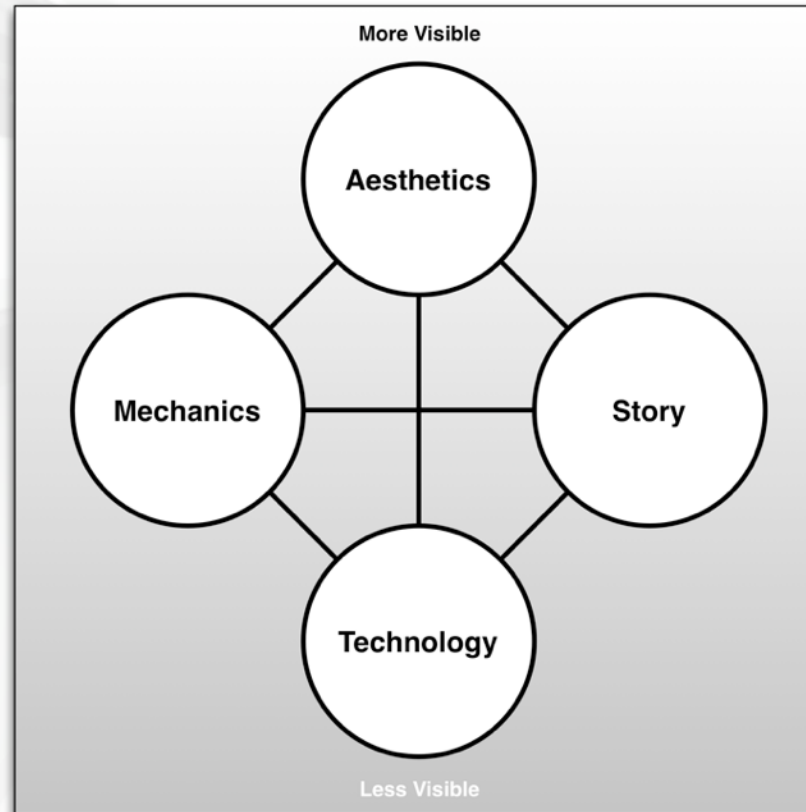
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