

Contents

PROLOG

Playing, Making, Thinking Games | 11

Playing—Games | Making Games—Game Design |
Thinking Games—Game Studies | Acknowledgments

I GAMES

Introduction | 33

1 What is a Game? Systematic and Historical Approaches | 35

Attempts at Systematic Definitions | Failure of Systematic Definitions | Historical Definition: The Alterity of Digital Games

2 Games in the Modern Era. A Short Media History | 43

Games | Primary, Secondary, and Tertiary Mediality | Case Study: Soccer—A Game’s Journey Through Medialities | Quaternary Mediality: From Spectator to Player

3 Procedural Turn (since the 1950s) | 59

Quadruplicate Origin of Digital Games | Digital Technology | Artificial Intelligence | Flight Simulation | Virtualization of Analog Games | Playful Use of Digital Technology | Procedurality

4 Hyperepic Turn (since the 1970s) | 69

Game Economics | From Mainframe and Arcade Games to Console and PC Games | The Innovative Genre of Text-Adventures | The Evolution of Audiovisual Storytelling | The Hyperepic

5 Hyperrealistic Turn (since the 1990s) | 81

Digital Technology | From the Model of the Novel to the Model of the Film | Hyperrealism | Authenticity and Operativity | The Innovative Genre of the First-Person Shooter

6 The Double Alterity of Digital Games | 91

The Evolution of Games into an Audiovisual Medium | Digital Games vs. Analog Games and Linear Audiovisions | The Defining Medium of Digital Culture

7 A Look Ahead: Hyperimmersive Turn? | 97

The Evolution of Digital Games | Lifelike Agency in Games | Utopia Holodeck | Gamelike Agency in Real Life | Potential for Hyperimmersive Turn

INTERMEZZO: GAME // FILM

Introduction | 111

1 Game and Film | 115

Competition | Collaboration | Convergence

2 Audiovisual Rivalries | 125

Media History | Media Theory

3 Modes of Audiovisual Storytelling | 131

Storytelling in Space and Time | Pre-Industrial Audiovisions: Theater | Industrial Audiovisions: Film and Television | Digital Audiovisions: Games | Complementarity | Summary: The Four Cs

II GAME DESIGN

Introduction | 143

1 Analog Design | 147

The Evolution of Industrial Design Practices | The Evolution of Industrial Design Thinking

2 Digital Design | 153

The Digitalization of Design Practice | The Digitalization of Design Thinking

3 A Short History of Game Design | 161

The First 40 Years | Present and Future

4 Areas of Game Design | 165

The Role of the Game Designer | Triad, Tetrad, and the Function of Narration

5 Practices of Game Design | 171

The Process of Game Development | The Principle of Worldbuilding |

Authorship in Game Design | Don't Follow These Rules! A Primer for

Playtesting *by Nathalie Pozzi and Eric Zimmerman*

III GAME STUDIES

Introduction | 187

1 Theories of Analog Games vs. Theories of Digital Games | 191

Pre-Industrial Theories of Playing and Games | Industrial Theories of

Playing and Games

2 The Schisms of Game Studies | 201

Sedimentative Approaches: Game Design Theories | Exaptive

Approaches 1: Theories from Social Sciences | Exaptive Approaches 2:

Theories from the Humanities

3 Desideratum: Overcoming the Schisms | 209

Longing for Synthesis | Adaptative Approaches

4 Perspectives of Research 1: Digital Games | 217

Mechanics | Story | Aesthetics | Technology | Transmedia

5 Perspectives of Research 2: Serious Games | 225

Mechanics, Story, Aesthetics, Technology, Transmedia |

Gamification | Opposition to Industrialism

EPILOG

Academization and Aesthetic Production | 235

The Cultural Rise of Games | Game Studies and Digital Game Design

Education in Germany | International Higher Game Design Education: Six

Examples from Five Countries *by André Czauderna* | Structure of an

Undergraduate Program for Game Design | Consequences of Academization

Sources | 263

