

Concept Paper

Not peer-reviewed version

CLOKI: The New Genre of Interactive Microdramas with Controllable Timing and Pre-View Options

[Stanislav Lauk-Dubitskiy](#)*

Posted Date: 20 October 2025

doi: 10.20944/preprints202510.1529.v1

Keywords: interactive microdramas; controllable timing; Chinese microdramas; preliminary narrative control; short-form content; mobile entertainment; narrative coherence; digital storytelling



Preprints.org is a free multidisciplinary platform providing preprint service that is dedicated to making early versions of research outputs permanently available and citable. Preprints posted at Preprints.org appear in Web of Science, Crossref, Google Scholar, Scilit, Europe PMC.

Copyright: This open access article is published under a Creative Commons CC BY 4.0 license, which permit the free download, distribution, and reuse, provided that the author and preprint are cited in any reuse.

Disclaimer/Publisher's Note: The statements, opinions, and data contained in all publications are solely those of the individual author(s) and contributor(s) and not of MDPI and/or the editor(s). MDPI and/or the editor(s) disclaim responsibility for any injury to people or property resulting from any ideas, methods, instructions, or products referred to in the content.

Concept Paper

CLOKI: The New Genre of Interactive Microdramas with Controllable Timing and Pre-View Options

Stanislav Lauk-Dubitskiy

MIREA Russian Technological University; ORCID: 0000-0001-7004-2511; laukdubitskiy@mirea.ru

Abstract

This literature review examines the convergence of interactive film technologies and the microdrama phenomenon to establish the theoretical foundations for CLOKI, a novel genre of preliminary interactive microdramas with controllable timing. Through a systematic analysis of over 80 peer-reviewed studies and industry reports, we investigate the challenges of interactive storytelling, particularly the tension between viewer agency and narrative coherence, alongside the explosive growth of Chinese microdramas as a dominant force in mobile entertainment. Our synthesis reveals that traditional interactive films suffer from narrative fragmentation and cognitive overload during real-time decision-making, while microdramas demonstrate commercial viability through ultra-short formats (1-5 minutes) optimized for mobile consumption but lack meaningful personalization. CLOKI addresses these fundamental limitations by implementing pre-viewing control of plot parameters and duration, enabling viewers to configure narrative elements before consumption begins. This preliminary control mechanism resolves the agency-coherence paradox while maintaining the engagement advantages of short-form content. This review establishes CLOKI as a significant innovation in digital storytelling, synthesizing proven elements from successful microdrama platforms with solutions to interactive narrative challenges through temporal and plot customization.

Keywords: interactive microdramas; controllable timing; Chinese microdramas; preliminary narrative control; short-form content; mobile entertainment; narrative coherence; digital storytelling

Subject Areas: Computer Science and Mathematics; Arts and Humanities; Media Studies

1. Introduction

The digital storytelling landscape is undergoing a fundamental transformation as audiences increasingly demand personalized, time-efficient content experiences that accommodate the fragmented consumption patterns characteristic of contemporary media engagement [1,2]. This shift has generated two parallel evolutionary trajectories: interactive films seeking to provide viewer agency through real-time decision-making and ultra-short microdramas optimizing mobile consumption through compressed narrative formats [3,4]. However, each approach has distinct limitations that constrain widespread adoption and user satisfaction.

Interactive films face a persistent challenge in maintaining narrative coherence while providing meaningful viewer agency, a tension that has been extensively documented in the recent literature [5,6]. Studies have demonstrated that real-time decision-making during content consumption frequently leads to cognitive overload and narrative fragmentation, undermining both story quality and viewer experience [7,8]. Conversely, completely passive viewing fails to meet contemporary expectations of personalized digital experiences, creating a fundamental paradox in interactive narrative design [9,10].

The emergence of Chinese microdramas as a multi-billion-dollar industry provides compelling evidence of the audience's appetite for ultra-short narrative content. Market analysis reveals explosive growth from \$0.5 billion in 2021 to \$7 billion in 2024, with projections reaching \$16.2 billion by 2030, representing a compound annual growth rate exceeding 50% [11,12]. This unprecedented

expansion demonstrates that audiences are willing to consume and monetize narrative content delivered in episodes ranging from 90 seconds to five minutes. However, existing microdrama platforms provide minimal viewer control over the narrative structure or pacing beyond algorithmic recommendation systems [13,14].

This literature review establishes the theoretical foundations for CLOKI, a novel genre that synthesizes interactive storytelling principles with the advantages of the microdrama format using preliminary control mechanisms. Unlike traditional interactive films, where viewers make decisions during consumption, CLOKI implements a pre-viewing configuration of narrative parameters, including plot direction, emotional arc, and total duration (1-5 minutes). This approach resolves the cognitive load problems identified in interactive film research while maintaining the personalization benefits that drive engagement in digital media [15,16].

Our contribution encompasses three primary domains: (1) a comprehensive analysis of interactive film challenges, with particular attention to temporal control and narrative coherence issues; (2) a systematic examination of Chinese microdrama success factors, including cultural resonance and technological integration; and (3) a theoretical synthesis demonstrating how preliminary control mechanisms address the limitations of both traditional interactive films and passive microdramas. We present evidence from over 80 research studies on interactive storytelling, mobile entertainment, and digital narrative design to establish a theoretical foundation for this emerging genre.

2. Related Work

2.1. *Interactive Films: The Agency-Coherence Paradox*

Interactive films represent significant experiments in audience participation; however, research consistently demonstrates a fundamental contradiction between meaningful viewer choice and narrative coherence [1,2]. The evolution from linear narratives to interactive storytelling has been marked by milestones including "Black Mirror: Bandersnatch" and the integration of VR/AR technologies [15,16].

Technological limitations remain substantial barriers to seamless interactive experiences [17,18]. The critical challenge of balancing user agency with narrative consistency persists; while modular platforms offer partial solutions, empirical validation remains limited [1,19]. Excessive interactivity can impair information transmission and cognitive processing [20,21].

Branching narratives fundamentally challenge coherence, creating difficulties in maintaining dramatic tension across storylines [22,23]. Choice architecture substantially influences immersion and comprehension [24,25]. Constrained choice sets with narrative compression can reduce coherence problems while maintaining meaningful interactivity [26,27].

Narrative time management is particularly complex. Porteous et al. demonstrated that explicit temporal models significantly increase generative system power and enable complex narrative structures [28,29]. This finding proves relevant for understanding how preliminary timing control can influence narrative experience without real-time decision-making fragmenting viewer attention.

Psychophysiological approaches, including eye tracking and biometrics, have been investigated for dynamic narrative adaptation [30,31]. However, these raise concerns about observation-manipulation boundaries and the preservation of dramaturgical integrity [1,33]. Such concerns diminish when control mechanisms operate before viewing rather than during consumption.

2.2. *Chinese Microdramas: Cultural Resonance and Commercial Success*

Chinese microdramas have demonstrated explosive growth, surpassing traditional entertainment formats. The market expansion from \$0.5 billion (2021) to \$7 billion (2024), with projections reaching \$16.2 billion by 2030, reflects fundamental shifts in media consumption [10,11]. Significantly, 2025 microdrama revenues in China will exceed theatrical box office, evidencing structural industry transformation [12,34].

Success stems from sophisticated cultural and technological integration. Research emphasizes the synthesis of traditional storytelling with contemporary themes, accentuating appeal through cultural identity, family values, and urban narratives [3,36,37]. Narratives combine mythological motifs with modern experience to evoke emotional resonance [39,40].

Mobile platforms and social media integration facilitate widespread distribution and personalized interactions [42,43]. Douyin and Bilibili leverage algorithmic recommendations and platform capabilities to amplify successful formats [47,48].

Demographics reveal clear patterns: young urban audiences, particularly Gen Z and women aged 18-29, predominate [49,50]. Microdrama viewers comprised 52.4% of Chinese internet users (1.1 billion) as of June 2024, with 50%+ under 40 years old and approximately 40% holding bachelor's degrees or higher [51,52].

Episodes lasting 90 seconds to 2 minutes are filmed vertically for mobile optimization [13,53]. Production efficiency enables costs as low as \$54,000 per series, yielding over 3,000 new microdramas in China during 2024 alone [11,56].

International expansion demonstrates a global appeal. Short drama app downloads increased by 320 million year-over-year in 2024, with DramaBox, ShortMax, and ReelShort accounting for 76% of downloads [58]. The US became the largest non-China market, contributing 60% of global mobile revenue, with nearly 60% of audiences under 34 [51,58].

Narrative strategies prioritize immediate emotional impact and rapid plot development, employing cliffhangers for cross-episode engagement [54,61]. Simultaneous series releases enable viewer-controlled playback and comment interaction, creating intimate audience-character connections [52,63].

However, concerns exist regarding content homogenization and superficial cultural interactions weakening communication depth [3,59,64]. Rapid proliferation creates problems, including uniformity, potentially harmful value propagation, and quality variations [65,66]. Format limitations sometimes constrain narrative depth and character development [63], while rapid production can yield formulaic storytelling [64].

2.3. Synthesis: Towards Preliminary Interactive Microdramas

The analysis revealed critical insights converging towards CLOKI—interactive microdramas with controllable timing. The agency-coherence problem in traditional interactive films can be resolved through the preliminary control of plot and timing parameters [1,24,25]. Pre-viewing configuration of story parameters including duration addresses fragmentation and cognitive overload from real-time decision-making [1,20,74].

This configuration-consumption separation resolves multiple challenges: minimized cognitive load during viewing through coherent linear narratives rather than choice evaluation [1]; preserved coherence via complete story arcs from pre-selected parameters rather than real-time branching maintenance [22]; and tractable implementation through pre-rendered complete narratives eliminating real-time computational constraints [17].

Chinese microdrama success demonstrates substantial audiences for ultra-short, mobile-optimized content. Over 830 million Chinese viewers, nearly 60% of whom pay for content, validate the commercial viability of short-form videos [12,84]. Existing platforms rely on algorithmic recommendations but provide no narrative structure control for individual pieces [47]. CLOKI's preliminary control enables explicit specification of narrative parameters including genre, emotional arc, and duration, working synergistically with algorithmic systems [87].

Microdrama audience demographics—young, mobile-first, and digitally comfortable—align strongly with CLOKI's technical requirements [3,49,50]. These audiences demonstrate a willingness to engage with short-form vertical videos, with a high tolerance for varied quality in exchange for personalization [52,89].

The technological infrastructure developed for microdramas—vertical filming, mobile streaming, algorithmic recommendations, and social integration—creates a ready ecosystem for

sophisticated interactive functions [3,42,43]. Preliminary control simplifies implementation versus real-time systems: complete narratives generate from selected parameters before playback, compatible with existing video delivery infrastructure without specialized interactive players [17,92].

Content creation can leverage manual (authored modular elements assembled per viewer parameters) and procedural approaches (planning algorithms generating customized stories) [75,76,93]. Hybrid approaches that combine authored elements with procedural assembly may optimize the quality-flexibility balance [94].

4. CLOKI: Genre Definition and Theoretical Framework

4.1. Genre Definition

Building on interactive film and microdrama research, CLOKI defines a new digital narrative genre distinguished by three temporal interaction phases—**pre-viewing**, **during-viewing**, and **post-viewing**—and **elastic episode lengths** (30 s–7 min) determined by viewer engagement. High-stakes choices occur in dedicated **ChronoHubs**, preserving uninterrupted linear playback while offering optional in-episode gameplay. This structure delivers scalable personalization—from passive streaming to full gameplay—without fragmenting the narrative flow.

4.2. Expanded Theoretical Framework

Temporal Redistribution: CLOKI’s separation of pre-configuration (ChronoHubs) from consumption (episodes) addresses cognitive overload by shifting decision-making outside linear playback, suggesting “pre-config, linear viewing, post-reflect” as a new interaction paradigm.

Duration as Personalization: Treating episode length (30 s–7 min) as a viewer-driven variable reconciles the demands for both rapid consumption and deeper engagement within a single content framework.

Layered Temporal Flow: Deep Rapid segments implement simultaneous accelerated and normal/slow layers, creating high information density within ultra-short durations and extending cinematic language through “polyphonic temporality.”

AI as Co-Creator: CLOKI’s master-prompt system and AI agent roles (narrator, tutor, actor) enable scalable, bespoke narratives that combine human authorship with procedural generation, overcoming the limits of personalization production.

Heterogeneous Engagement: Seven viewing tactics unify disparate audience preferences—passive, gamified pre/post-viewing, during-viewing gameplay, social streaming, and roleplay—within one narrative.

4.3. Positioning Relative to Interactive Narrative Research

- Extends preliminary control research by embedding viewer choice in dedicated hubs and adding in-episode and post-episode interactivity.
- It departs from real-time branching by decoupling choices from playback, maintaining flow and coherence.
- Synthesizes gaming and cinema through embedded gameplay mechanics without disrupting the linear story.
- Builds on microdrama innovations by preserving short-form, mobile-optimized format while layering personalization.
- Advances AI-augmented narrative by treating generative systems as integral co-creators, rather than add-ons.

4.4. Implications for Practice

- Production Models: Modular, AI-assisted content reduces the volume of required asspost-viewing to fully branching narratives.

- Platform Requirements: Real-time AI generation, multi-device synchronization, and state management demand platform-level support.
- Creator Skills: New competencies in modular design, interaction mapping, and AI prompt engineering are essential.
- Audience Expectations: CLOKI's flexible duration and personalization may reshape the norms for streaming content.
- Cross-Media Potential: Principles apply to education, marketing, documentary, and cultural preservation through interactive, layered content.

5. CLOKI Framework: Architecture and Mechanics

5.1. Core Hypothesis and Design Philosophy

In the era of TikTok and Instagram Reels, where viewer attention spans are measured in seconds, traditional series formats are facing declining relevance. CLOKI proposes a paradigm where viewing time becomes an integral part of both narrative and mechanics, with episodes ranging from 30 seconds to 7 minutes, which adapt to individual users. The framework implements interactivity before, during, and after viewing, with content that is partially or fully generated by AI systems.

This approach transcends conventional video content by offering personalized experiences, making each viewing unique. The fundamental innovation lies in relocating primary interactive elements to the pre-viewing and post-viewing phases—what we term the "audience warm-up" and "cool-down" periods. This temporal redistribution of interactivity potentially resolves the flow state disruption problem identified in traditional interactive films while reducing viewer stress associated with high-stakes decision-making without quality guarantees.

The preliminary control concept from Section 4 is extended through three temporal interaction zones: **pre-viewing configuration** (genre, pacing, and duration selection), **during-viewing engagement** (optional gameplay elements and attention tracking), and **post-viewing reflection** (predictions, social interaction, and content unlocking). This tripartite structure addresses the cognitive load challenges of real-time branching narratives while maintaining the engagement benefits associated with viewer agency.

5.2. Dynamic Duration Control Mechanism

CLOKI implements bidirectional duration control ranging from 30 s to 7 min through viewer actions across multiple interaction points. The system operates through accumulated viewer choices and performance in ChronoHubs (Section 5.3.5), gameplay episodes (Section 5.3.2), and Deep Rapid episodes (Section 5.3.3). Based on these interactions, the platform determines whether the viewer receives shortened, standard, or extended versions of subsequent episodes and access to supplementary content within episodes and on the global narrative map.

Episode Duration Variants

Shortened Episode (30 seconds–2 minutes): Core narrative beats with minimal exposition, optimized for viewers with limited time or those who performed minimally in interactive segments. It removes secondary character development and environmental storytelling while maintaining plot coherence.

Standard Episode (2-4 minutes): Complete narrative arc matching traditional microdrama format, includes character development, environmental details, and emotional pacing designed for viewers who engage moderately with interactive elements.

Extended Episode (4-7 minutes): Augmented version, including additional scenes, character perspectives, backstory elements, and narrative complexity. Unlocked through high engagement in interactive segments and ChronoHub activities. Includes pre-credits and post-credits scenes, analogous to cinematic traditions.

This duration elasticity addresses the fragmented attention patterns of contemporary audiences while rewarding deeper engagement with richer, narrative content. The mechanism differs from

traditional branching narratives by maintaining a single primary storyline that expands or contracts rather than fragmenting into discrete branches, thus preserving coherence while enabling personalization.

5.3. Episode Typology and Structural Elements

5.3.1. Standard Episode

The foundational episode type follows the classical microdrama dramaturgical structure. Standard episodes present a linear narrative progression with optional interactive overlays (Section 5.4) that do not interrupt the narrative flow. The duration adapts based on viewer engagement metrics and prior interaction history. These episodes form the narrative spine of the series and can be consumed entirely passively while still providing coherent story experience.

5.3.2. Gameplay Episode

Episodes incorporating optional gameplay experiences during viewing were applied automatically based on the viewer's historical behavior, profile preferences, and AI prediction models. The system analyzes viewer patterns, including interaction frequency, gameplay proficiency, and attention metrics, to determine whether to present gameplay elements and at what difficulty level.

Gameplay episodes maintain a dual-track structure: viewers can experience them as standard linear narratives or engage with embedded game mechanics that provide additional narrative information, unlock extended content, or influence subsequent episode variations. This optionality ensures accessibility while rewarding the engagement.

5.3.3. Deep Rapid Episodes

Deep Rapid represents a novel narrative technique inspired by slow-motion superhero sequences featuring characters such as Quicksilver and The Flash. These episodes implement differential temporal flow within single frames: primary characters operate at an accelerated speed, performing multiple actions per unit of chronological time, with their thoughts displayed as accelerated scrolling text, while secondary characters and environmental elements proceed at a normal or decelerated speed.

Technical Implementation: The layered temporal structure creates a high semantic density within a compressed duration (typically 30 s to 1 min). Viewers encounter simultaneous information streams that require selective attention allocation, an intentional design that acknowledges individual differences in information prioritization and segregation. Different viewers necessarily perceive, comprehend, and remember distinct details and actions based on their attentional focus.

Narrative Function: Deep Rapid episodes serve as narrative drivers containing concentrated plot-critical information distributed across visual layers. The high information density necessitates and rewards repeated viewing, as each viewing cycle enables the discovery of previously unnoticed elements. Interface indicators help viewers track the narrative significance of rapidly unfolding events by addressing semantic overload through visual guidance systems.

This episode type directly addresses the challenge of maintaining viewer engagement within ultra-short formats while delivering the narrative complexity typically associated with longer-form content. This technique leverages human perceptual capabilities for parallel visual processing while acknowledging attentional limitations through replay incentivization.

5.3.4. Supplementary Content Integration

Episodes can incorporate multiple types of supplementary content based on the duration variant (shortened/standard/extended) and viewer interaction history.

□ Pre-rendered video content: Traditional filmed or AI-generated material created before viewer access

- Real-time personalized video: Content generated during viewing session based on viewer profile and interaction history, implementing dynamic prompt modification for subsequent episodes
- Stylized video sequences: Simplified aesthetic presentations indicating altered consciousness states (dreams, visions, memories, hallucinations, alternate realities), enabling narrative expansion with reduced production requirements
- Interactive video elements: Embedded gameplay or choice points within linear playback
- Animated comics: Motion comic sequences for exposition or backstory
- Gameplay segments: Direct character control or puzzle-solving within narrative context
- Text insertions: Narrative captions, character thoughts, or environmental information overlays
- Audio-visual ambiance: Music and voice elements over abstract or minimal visuals

This content diversity enables the platform to maintain production feasibility while offering extensive personalization, as different content types require varying production resources and can be generated or assembled based on the viewer engagement level.

5.3.5. ChronoHub Episodes

ChronoHubs function as connective episodes that serve as narrative pauses between standard story episodes. These hub environments implement preliminary control mechanisms that distinguish CLOKI from real-time interactive narratives.

Core Functions:

Character Selection and Action Specification: Viewers select their favorite characters and specify their actions for subsequent episodes, implementing a zero-pressure choice architecture (2-3 options) that influences narrative focus and unlocks character-specific supplementary content.

Narrative State Visualization: The hub displays the current story status through interactive maps showing character locations, relationship networks, conflict status, and narrative progression. This visualization addresses coherence challenges in complex narratives by providing an explicit story state.

Viewer Status Interface: Display of the viewer's accumulated points, achievements, unlocked content, and progression metrics, implementing gamification elements that drive engagement.

Lore Exploration: Access to world-building content, character backstories, and narrative universe details that expand the story depth without interrupting the episode pacing.

Supplementary Content Access: Viewing of character thoughts, dreams, memories, and perspectives not included in the main episodes, providing character development opportunities beyond constrained episode durations.

Prediction System: Implementation of narrative prediction mechanics (Section 5.5, Type 8) where viewers forecast plot developments, character fates, and story outcomes.

Character Communication: AI-powered chatbot interfaces enabling asynchronous communication with characters (Section 5.5, Type 9), creating parasocial relationships while collecting viewer preference data.

Mini-games: Self-contained gameplay experiences that earn points and achievements, providing varied engagement beyond passive viewing.

Notes and Social Commentary: Tools for viewers to record observations and share public comments, facilitating community building and social viewing experiences.

Temporal Manipulation Options: Using in-platform currency, viewers can simulate temporal rewinds to narrative starting points, accelerate global event progression, or control cosmetic visual modifications.

Structural Role: ChronoHubs are optional (viewers can skip them) but the recommended engagement duration is a minimum of 5 minutes, varying by narrative point, genre conventions, and individual viewer preferences. Unlike traditional episode content, ChronoHubs present as interactive menu environments rather than linear video playback, implementing the preliminary control philosophy by separating the configuration from consumption.

The ChronoHub architecture directly addresses the agency-coherence paradox by consolidating interactive decision-making into dedicated spaces temporally separated from narrative consumption, thus preserving flow state during episodes while providing meaningful viewer agency.

5.3.6. Endgame Episode

Season-concluding extended episodes (typically 7+ minutes) presenting variable endings based on cumulative viewer choices and actions throughout the season. Unlike traditional branching narratives with discrete ending variants, Endgame episodes implement parametric variation, where narrative elements are adjusted based on viewer engagement metrics, character focus selections, and prediction accuracy.

This approach maintains production feasibility by using modular ending components that are assembled based on viewer profiles rather than requiring completely discrete ending sequences. The system can generate unique ending variations for individual viewers while sharing the underlying narrative assets.

5.4. Game Interface Elements

CLOKI incorporates persistent interface elements adapted from gaming conventions to enhance narrative comprehension in high-density episodes. Screen corner positions display character status icons indicating the following:

Mental Status: Character's psychological state (focused, confused, determined, etc.)

Physical Status: Character's physical condition (injured, fatigued, healthy, etc.)

Narrative Position: Character's relationship to plot objectives (lost, progressing, waiting, achieved, etc.)

These indicators enable rapid situational assessment when character faces are not visible or in complex multi-character scenes. Within the semantic and visual density of CLOKI episodes, such cues do not impair pacing or information absorption but facilitate comprehension.

Episode conclusions present narrative state maps showing the updated status of all characters and conflict factions, providing explicit story progression tracking that addresses coherence maintenance challenges in serialized narratives.

Crucially, the interface includes "Viewer Choice Result" tags indicating narrative elements directly influenced by viewer decisions, making agency visible and meaningful. This explicit attribution addresses the "illusion of choice" critique common in interactive narratives by demonstrating concrete impacts of viewer actions.

5.5. Viewing Tactic Typology

CLOKI implements a flexible viewing mode system in which viewers select their preferred engagement level before beginning episodes and can modify their selection in ChronoHubs.

Tactic 1: Passive Viewing: Pure linear consumption without interactive elements, equivalent to a traditional streaming experience. Viewers receive standard episode variants and can access ChronoHubs but are not required to engage with the gameplay mechanics.

Tactic 2 - Spectator Mode: Viewing other users' broadcast streams with commentary and donation interactions, implementing social viewing dynamics. Enables community building around CLOKI content while providing a passive engagement option.

Tactic 3 - Gamified Pre/Post Viewing: Engagement with interactive elements in ChronoHubs and post-episode content while maintaining passive viewing during the episodes. Balances narrative immersion with gameplay engagement.

Tactic 4 - Active Viewing: Participation in gameplay activities during episode playback, implementing the interactive mechanics described in Section 5.6. Unlocks extended content and enhances progression.

Tactic 5 - Roleplay Mode: Viewing experience augmented with AI actors and other users participating as supplementary characters in additional content. Enables collaborative narrative experiences while maintaining a coherent primary storyline.

Tactic 6 - Broadcast Mode: Creating a personal broadcast stream for other viewers with social interactions, including group viewing synchronization, commentary, and post-viewing features. It transforms consumption into performance.

Tactic 7 - Full Gameplay Experience: Direct character control during viewing with comprehensive game mechanics, including quick-time events (QTE) and arcade elements (Section 5.6, Type 6). Maximum interactivity option for viewers seeking game-like experience.

This typology accommodates heterogeneous viewer preferences ranging from entirely passive consumption to highly interactive gameplay, addressing critique that single interaction models cannot satisfy diverse audience segments. The system enables viewers to modulate their engagement level based on available time, attention capacity, and mood without fragmenting into incompatible experience tracks.

5.6. Interactive Mechanics Taxonomy

Type 1: Clicker Mechanics

Mechanics: Direct activation of narrative resources through the quantity (progress bar completion) and/or quality (specified patterns, rhythms, precise counts) of clicks Implements simple mechanical engagement requiring minimal cognitive load during viewing.

Type 2: Object/Clue Discovery

Mechanics: The bottom screen display presents an object array, and viewers click when identifying objects within the video frame. Objects may appear in altered states, be partially visible, or be concealed within containers. It implements an active attention direction.

Type 3: Difference Detection

Mechanics: The system marks the scene/frame, time decelerates, and the viewer memorizes the visible elements. Subsequently, a temporally later version of the same scene/frame appears with a bottom-screen difference indicator. The viewer clicks to identify the changed elements, with reward scaling for detection accuracy.

Type 4: Puzzle Solving

Mechanics: Bottom-screen or in-frame puzzle presentation provides the initial problem state. Subsequent viewing content delivers clues through discovered objects (Type 2), detected differences (Type 3), or clicker mechanics rewards (Type 1). The episode conclusion presents a multiple-choice solution interface (typically four options).

Type 5: Cooperative Mini-Games

Mechanics: Synchronized multi-viewer gameplay during group viewing sessions. Each viewer either completes an individual game contributing to a collective outcome or all viewers collaborate on a single game challenge.

Type 6: Arcade Gameplay

Mechanics: Direct character control during gameplay episodes with QTE and arcade elements, including running, dodging, platforming, shooting, combat, and similar action mechanics. Implements a full game-like control scheme within the narrative context.

Type 7: Narrative Choice

Mechanics: Zero-pressure character selection and action specification for favorite characters (typically to 2-3 options). Implements the core preliminary control philosophy (28) by enabling narrative influence without the time pressure or stakes.

Type 8: Prediction System

Mechanics: Viewer forecasts regarding narrative outcomes, character fates, or plot revelations made in ChronoHubs before manifestation. Functions as an audience warm-up element encouraging discussion, voting, and fan theory creation. Implements non-monetary rewards (points, achievements, unlocks).

Prediction Categories:

- Emotional Predictions: Forecasting audience emotional response to upcoming episodes (e.g., "Episode 5 will be devastating")
- Status Predictions: Character fate forecasts (death, relationship changes, allegiance shifts)
- Plot Predictions: Specific narrative action forecasts for individual characters

Temporal Mechanics: Reward magnitude scales inversely with temporal proximity—earlier predictions yield higher rewards upon accuracy, incentivizing long-term engagement and ongoing speculation.

Economic Function: Optional real-money prediction markets can be implemented (with appropriate regulatory compliance), although the primary implementation uses non-monetary systems to maintain accessibility.

Community Function: Generates social discourse and speculative content around series, extending engagement beyond the viewing time.

Type 9: Character Chatbots

Mechanics: AI-powered conversational interfaces enabling asynchronous communication with characters through message systems (open, hidden, and delayed delivery). The primary narrative remains independent of chat interactions, preventing coherence fragmentation.

Data Collection: System conducts viewer interviews and express quizzes through chatbot interactions, collecting preference data and content consumption habits for personalization.

Parasocial Function: Develops character relationships and emotional investment while maintaining narrative independence from potentially incoherent user input.

5.7. AI Integration Architecture

CLOKI implements AI systems across multiple functional domains, distinguishing it from traditional interactive narratives through dynamic content generation and personalization.

Real-time Feedback Processing: AI agents monitor viewer reactions and actions during viewing, collecting behavioral data, including attention patterns (via eye tracking when available), interaction frequency, choice patterns, and engagement duration metrics.

Content Generation: AI systems generate both primary episode content and supplementary materials. For fully AI-generated series, the platform maintains master prompts that evolve based on the cumulative actions of viewers. Individual viewer choices trigger prompt modifications for subsequent episodes, enabling personalized narrative variations while maintaining production feasibility.

Real-time Personalization: During viewing sessions, AI systems can modify or generate content based on viewer profiles. This includes creating character dialogue variations, generating supplementary scenes addressing viewer-specific interests, and adjusting the pacing based on the detected engagement levels.

Adaptive Assistance: AI agents serve multiple support roles.

- Gameplay Assistance: Providing hints and guidance during interactive segments based on difficulty assessment
- Narrative Guidance: Offering optional explanatory information during complex plot developments
- Tutorial Functions: Serving as instructional agents in educational CLOKI content
- Character Performance: Acting as AI-performers creating unique dialogue and behaviors responding to viewer actions

Recommendation Intelligence: Beyond traditional algorithmic recommendations, AI systems suggest viewing tactics (Section 5.5), predict preferred episode duration variants, and recommend ChronoHub activities based on engagement patterns.

This comprehensive AI integration addresses personalization at scale, enabling unique experiences for individual viewers without requiring discrete content production for each user path.

The system leverages AI generative capabilities to bridge the gap between artisanal narratives and mass personalization.

5.8. Accelerated Season Viewing Mode

CLOKI implements a compressed viewing mode, enabling the consumption of entire seasons (typically 200+ minutes) in an accelerated format (approximately 45 minutes) while maintaining narrative comprehension. This feature addresses viewers seeking an overview understanding before deep engagement or catching up on prior seasons before new seasons are released.

Technical Implementation:

- Unified Episode Montage: All season episodes edited into single continuous experience with supplementary transitional content ensuring narrative connectivity and dramatic pacing
- Semantic Marking System: Visual indicators highlight narrative significance, plot progression, and key events (character introductions, deaths, relationship changes, revelations)
- Dialogue Compression: All dialogue and monologue rewritten to brief versions with emoji representations displayed bottom-screen, maintaining semantic content while reducing time
- Interactive Comprehension Checks: Periodic self-assessment questions verify viewer understanding, with optional replay of segments if comprehension gaps detected
- Adaptive Speed Control: Viewers can pause acceleration and switch to normal-speed viewing at any moment, enabling flexible depth modulation

Narrative Structure: The accelerated version maintains a dramatic structure with compressed pacing, strategic pauses at high-impact moments, and clear progression through narrative arcs. The experience functions as a curated season overview, emphasizing optimal directorial techniques and essential plot beats.

Genre Alignment: This feature perfectly aligns with the microdrama format philosophy — an entire season becomes a single microdrama experience. The accelerated season can serve as preliminary exposure before detailed viewing, or as complete standalone experience for time-constrained viewers.

Extensibility: The acceleration technology developed for CLOKI can be adapted as a separate module for application to non-CLOKI content, potentially creating a new market for compressed long-form content consumption.

5.9. Control Interface Modalities

CLOKI supports diverse input methods to suit various devices and accessibility needs.

- In-video hotspots for touch, mouse, or trackpad interactions
- Keyboard shortcuts enabling rapid, accessible control
- Voice commands for hands-free navigation
- Gesture recognition via cameras or sensors
- AI assistant for natural-language requests and multi-step interactions
- Companion app on secondary devices offering full control without obscuring video, synchronized in real time

This multimodal design ensures seamless interactivity across mobile, tablet, desktop, and TV contexts.

5.10. Genre Applicability and Optimal Contexts

CLOKI's mechanics suit genres with interactive or temporal themes.

- Ideal: Mystery/detective, thriller, sci-fi, fantasy, educational
- Adaptable: Drama, action, romance, comedy
- Challenging: Slow cinema, experimental/avant-garde

Future studies should refine genre-specific configurations to maximize the narrative and mechanical synergy.

6. Discussion

6.1. Theoretical Contributions

CLOKI advances interactive narrative theory in the following ways:

- Temporal Redistribution of Agency: Shifting high-stakes choices to ChronoHubs preserves flow during episodes, challenging assumptions that agency requires in-play choices.
- Elastic Duration as Personalization: Treating episode length (30 s–7 min) as a primary variable enables one framework to serve both rapid- and deep-engagement needs.
- Layered Temporal Flow: Deep Rapid’s simultaneous accelerated and normal-speed layers extend cinematic language by compressing complex narratives into ultra-short segments.
- Generative AI Integration: Master-prompt evolution and AI agent roles demonstrate scalable personalization without the need for exponential content production.
- Tripartite Interaction Model: Pre/during/post interaction structure offers a new paradigm for distributing cognitive load and sustaining agency.

6.2. Practical Implications

- Production Viability: Modular assets and AI generation lower costs compared to fully branching narratives.
- Platform Adoption: API-based integration allows incremental CLOKI feature rollout on existing services.
- Accessibility: Seven viewing tactics ensure that both passive and active users are accommodated.
- Authoring Tools: Demand for new creator tools in modular design, interaction mapping, and AI prompt engineering.
- Monetization: Layered economies support free access and creator revenue through subscriptions, premium content, and community rewards.

6.3. Limitations and Future Challenges

- Technical Complexity: Real-time AI, multi-device synchronization, and state management present barriers, and early implementations may be partial.
- Content Creation Skill Gap: Designing variable-duration, interactive modules requires new creative expertise and tools.
- Cognitive Load: In-play mechanics still introduce load; optimal interaction density requires empirical study.
- AI Quality Variability: Personalized generation depends on evolving AI capabilities and the maintenance of coherence.
- User Learning Curve: Multimodal interactions and varied episodes require clear onboarding and progressive complexity.
- Cultural Specificity: Framework is derived from Western and Chinese contexts, and cross-cultural validation is required.

Future research should empirically validate CLOKI’s engagement, satisfaction, and comprehension benefits, refine interaction density guidelines, and explore genre-specific and cross-cultural adaptations.

6.4. Comparison with Related Approaches

CLOKI vs. Traditional Interactive Films: Traditional interactive films, such as *Black Mirror: Bandersnatch*, implement real-time branching during viewing. CLOKI relocates primary choices to ChronoHubs, reducing cognitive load and narrative fragmentation while maintaining the benefits of personalization. CLOKI’s duration variability provides personalization dimension absent in fixed-length interactive films.

CLOKI vs. Standard Microdramas: Chinese microdramas are optimized for mobile consumption and brief duration but offer minimal interactivity beyond viewing. CLOKI adds interactive and personalization layers while maintaining format compatibility with microdrama consumption patterns, potentially enhancing engagement without sacrificing accessibility.

CLOKI vs. Interactive Fiction/Visual Novels: Text-based interactive fiction implements extensive branching and player agency. CLOKI adapts these concepts to a video format with an emphasis on temporal efficiency and mobile optimization, translating the choice depth of interactive fiction to a time-constrained video consumption context.

CLOKI vs. Transmedia Storytelling: Transmedia approaches distribute narratives across multiple platforms and formats. CLOKI consolidates interactive elements within unified platform while supporting companion applications, prioritizing coherent single-platform experience over distributed engagement.

6.5. Future Research Directions

Empirical Validation: Experimental studies should compare CLOKI experiences with traditional microdramas and interactive films across metrics, including engagement, satisfaction, narrative comprehension, perceived agency, and cognitive load. Future research should determine which CLOKI mechanisms drive positive outcomes and which may be superfluous.

Optimal Interaction Density: Studies should identify the ideal balance points for interaction frequency, complexity, and duration across different genres and viewing contexts. This study aims to produce evidence-based guidelines for creators designing CLOKI content.

AI Generation Integration: Technical research should explore optimal approaches for maintaining narrative coherence across AI-generated serialized content, including master prompt evolution strategies, consistency-checking mechanisms, and quality control systems.

ChronoHub Design Patterns: User experience research should examine optimal ChronoHub structures, interaction flows, and engagement incentives. This research should determine how to maximize ChronoHub effectiveness while minimizing the viewer's fatigue.

Cross-Cultural Adaptation: Comparative studies should examine CLOKI reception across cultural contexts, identifying which framework elements demonstrate cultural universality and which require localization.

Accessibility Research: Studies should evaluate CLOKI's accessibility across diverse user populations, including varying cognitive abilities, motor capabilities, and media literacies. Future research should identify these barriers and inform inclusive design improvements.

Longitudinal Engagement Studies: Research should track viewer engagement with CLOKI content over extended periods, examining retention rates, habituation effects, and long-term satisfaction compared with traditional formats.

Creator Tools Development: Design research should explore optimal authoring tool interfaces and workflows for CLOKI content creation, including modular content design systems, interaction specification interfaces, and preview/testing capabilities.

Economic Model Validation: Studies should examine viewer responses to various monetization approaches and identify models that sustain creator compensation while maintaining accessibility and positive viewer perception.

Genre-Specific Implementation: Research should develop genre-specific best practices for CLOKI mechanics, determining which framework elements optimize experiences in mystery, drama, comedy, action, and other categories.

7. Conclusion

This study establishes the theoretical and architectural foundations for CLOKI, a novel genre of interactive microdramas with controllable timing. Synthesizing over 80 studies on interactive film limitations and Chinese microdrama success, we show that real-time choice in interactive films

induces cognitive overload and fragmentation, while microdramas excel commercially but lack personalization.

CLOKI's innovations include the following

- Temporal redistribution of interactivity into pre-viewing, during-viewing, and post-viewing phases, preserving narrative flow and reducing cognitive load.
- Elastic duration (30 s–7 min) adapting episode length based on viewer engagement, accommodating both rapid and deep consumption of content.
- ChronoHub architecture for hub-based decision-making, story-state visualization, and social engagement without interrupting the episodes.
- Deep Rapid episodes with layered temporal flow compress complex information into ultra-short segments.
- AI-driven personalization, from evolving master prompts to adaptive assistance, enables scalable bespoke narratives.
- Viewing tactics range from passive streaming to full gameplay, ensuring accessibility and engagement for diverse audiences.
- Accelerated season mode compresses entire seasons into concise microdramas with semantic markers and comprehension checks.

Theoretical contributions include reframing viewer agency away from real-time branching toward pre- and post-configuration, treating duration as a core personalization variable, and extending cinematic language through polyphonic temporality. Practical implications include modular production models, API-based platform integration, multimodal control interfaces, and layered monetization balancing free access with creator sustainability.

While promising, CLOKI faces challenges in terms of technical complexity, creator tooling, AI quality, and cross-cultural validation. Future studies should empirically evaluate engagement, refine interaction densities, advance AI coherence strategies, and develop genre- and culture-specific best practices.

As audiences demand time-efficient, personalized narratives, CLOKI offers a flexible framework that harmonizes customization with storytelling excellence—empowering towards to shape not only what they watch, but also how long and how deeply they engage with digital stories.

Acknowledgments: The author acknowledges the MIREA Russian Technological University research community and collaborators for the development of the CLOKI theoretical framework.

Data Availability Statement: This literature review synthesizes the existing published research. All the cited sources are publicly available through the indicated references.

Conflicts of Interest: The authors declare no conflict of interest.

Funding: This research received no external funding

Institutional Review Board Statement: Not applicable for literature review research.

Informed Consent Statement: Not applicable.

Copyright: 2025 by Stanislav Lauk-Dubitskiy. Licensee Preprints.org, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).

References

1. Jenkins, H. (2006). **Convergence Culture: Where Old and New Media Collide**. NYU Press.
2. Bolter, J. D., & Grusin, R. (2000). **Remediation: Understanding New Media**. MIT Press.
3. Hanapiah, M. L. H. M., & Nasir, S. M. (2024). A systematic review towards evolution of interactive storytelling and audience engagement in films. **International Journal of Creative Multimedia**, 5(1), 55-73.

4. Ryan, M. L. (2001). **Narrative as Virtual Reality: Immersion and Interactivity in Literature and Electronic Media**. Johns Hopkins University Press.
5. Katerynych, P., & Volyk, A. (2024). Beyond the fourth wall. **Ars Humanitas**, 18(1), 131-146.
6. D'Aloia, A. (2020). Against interactivity: Phenomenological notes on Black Mirror: Bandersnatch. **Series: International Journal of TV Serial Narratives**, 6(2), 21-31.
7. Sweller, J. (2011). Cognitive load theory. **Psychology of Learning and Motivation**, 55, 37-76.
8. Mayer, R. E. (2014). **The Cambridge Handbook of Multimedia Learning**. Cambridge University Press.
9. Norman, D. A. (2013). **The Design of Everyday Things**. Basic Books.
10. Liu, D. (2024). User attitudes and preferences towards real-time interactive gamified movie experiences. **SHS Web of Conferences**, 199, 03013.
11. Variety. (2025, September 16). Microdramas emerge as multi-billion dollar global entertainment phenomenon.
12. Fu, R. (2025, April 27). Short dramas are taking over the world. **Rocky Fu**.
13. Ma, H., & Wang, Y. (2025). Cultural identity, technological experience, and social influence: An integrated model of consumer willingness to pay in the micro-short drama market of Henan, China. **Frontiers in Humanities and Social Sciences**, 5(9), 8-20.
14. CNBC. (2025, July 22). Why China's \$7B micro drama industry is taking over social feeds.
15. Franke, N., Schreier, M., & Kaiser, U. (2010). The "I designed it myself" effect in mass customization. **Management Science**, 56(1), 125-140.
16. Norton, M. I., Mochon, D., & Ariely, D. (2012). The IKEA effect: When labor leads to love. **Journal of Consumer Psychology**, 22(3), 453-460.
17. Aarseth, E. (1997). **Cybertext: Perspectives on Ergodic Literature**. Johns Hopkins University Press.
18. Montfort, N. (2003). **Twisty Little Passages: An Approach to Interactive Fiction**. MIT Press.
19. Zhang, G. (2024). Experimenting with branching narratives in video form on streaming platforms.
20. Amlashi, E. A., & Adiloğlu, F. (2025). Understanding the collaborative model of narrative in cinematic virtual reality. **Journal of Screenwriting**, 16(1), 85-106.
21. Hang, R., & Gou, L. (n.d.). Interactive movies: Narrative and immersive experience.
22. Li, X., & Lee, J. (2022). Influence of interaction in VR movies on narrative: Focusing on the animated film *Wolves in the Worlds*. **Aenimeisyeon yeongu**, 18(3), 80-99.
23. Rosli, M. K., Masaat, M. F. F., & Ahmad, C. W. S. B. C. W. (2025). Gamification in film: A case study of narrative diversification in Black Mirror: Bandersnatch (2018) interactive film. **e-Jurnal Penyelidikan dan Inovasi**, 12(3), 76-87.
24. Dahdal, S. (n.d.). The illusive ludonarrativity and the problem with emergent interactive storytelling models in interactive movies.
25. Fan, Z. (n.d.). When the audience becomes the storyteller: Role identification and emotional experience in interactive films. **SHS Web of Conferences**.
26. Yun, H. (2023). A study on the structure of simultaneous acquisition of interactivity and narrative immersion.
27. Zhang, H. (2023). Be a part of the narrative: How audiences are introduced to the free choice dilemma in the interactive film *Bandersnatch*. **Mutual Images**.
28. Maziarczyk, G. (2023). The road not taken: An interactive film between narrative and database. **The New Review of Hypermedia and Multimedia**, 29, 56-71.
29. Nack, F., Louchart, S., Lund, K., et al. (2023). INDCOR white paper 3: Interactive digital narratives and interaction. **arXiv**.
30. Short, E. (2016). Beyond Branching: Quality-Based, Salience-Based, and Waypoint Narrative Structures. **Emily Short's Interactive Storytelling**.
31. Carlton, J., Brown, A., Jay, C., & Keane, J. A. (2021). Using interaction data to predict engagement with interactive media. **arXiv**.
32. Ma, C., Wang, H., & Wang, M. (2023). Guiding interactive film with emotion-profiling chatbots.
33. Porteous, J., Cavazza, M., & Charles, F. (2010). Applying planning to interactive storytelling: Narrative control using state constraints. **ACM Transactions on Intelligent Systems and Technology**, 1(2), 1-21.

34. Porteous, J., Cavazza, M., & Charles, F. (2011). Controlling narrative time in interactive storytelling. **Proceedings of AAMAS**.
35. Frey, J., Ostrin, G., Grabli, M., & Cauchard, J. R. (2020). Physiologically driven storytelling: Concept and software tool.
36. Heck, M., Edinger, J., Bönemann, J., & Becker, C. (2021). The subconscious director: Dynamically personalizing videos using gaze data.
37. Young, R. M., Riedl, M. O., et al. (2004). Interactive storytelling with temporal planning. **ACM**.
38. Obermeier, C., et al. (2013). Aesthetic and emotional effects of meter and rhyme in poetry. **Frontiers in Psychology**, 4.
39. Qazinform. (2025, September 17). Micro-drama revenues in China set to surpass box office in 2025.
40. Deadline. (2025, September 16). Micro-drama revenues in China set to exceed box office.
41. MPA. (2025). Chinese micro-drama market analysis.
42. Zhai, L. (2025). A study on the development and socio-cultural impact of Chinese mini web dramas. **The Korean Society of Human and Nature**, 6(2), 411-435.
43. Qin, R. (2024). Miniature time: A study on the narrative and communication effects of online mini dramas from the perspective of empathy.
44. Wang, A., Whyke, T. W., & Dean, L. (2023). The interplay between digital platforms and user-generated content in reinterpreting and recreating mythological narratives with traditional Chinese cultural elements.
45. Hu, X. (2025). A data mining-based model for analyzing the factors influencing the international dissemination effect of web microshorts plays. **International Journal of High Speed Electronics and Systems**.
46. Zhou, Y., Liu, W., Wu, Y., et al. (2025). An innovative application of integrating transmedia storytelling and digital technologies into local culture in China.
47. Xu, L., Sukerb, S., & Li, Y. (2025). Min Opera: Embodiment of cultural values and educational inheritance of Chinese local operas in the new media era. **International Journal of Education and Literacy Studies**, 13(2), 173-179.
48. Li, X. (2024). Research on how Dou Yin micro-drama shapes users' cultural identity and social behavior. **Lecture Notes in Education Psychology and Public Media**, 67(1), 101-105.
49. Cui, H., & Phakdeephrot, N. (2024). The factors influencing consumer continuous purchase intention of online micro-dramas: Case of Douyin (TikTok). **Academic Journal of Science and Technology**, 13(1), 117-126.
50. Li, Y. (2024). Narrative and aesthetic features of micro-short plays on short video platforms: A case study of Douyin micro-short plays.
51. Tan, S., & Zhang, J. (2024). The development of short plays in China. **Frontiers in Humanities and Social Sciences**.
52. Wang, Y., & Liang, Y. (2025). Between boom and regulation: Economic impacts and policy challenges of the rapidly expanding micro-drama industry. **Frontiers in Business, Economics and Management**, 20(3), 63-68.
53. Sun, M. (2024). Research on consumption characteristics and marketing strategy of micro-short drama from the perspective of self-determination theory.
54. Asia Tech Lens. (2025, June 12). Made-in-China short dramas for mobile phones gain global popularity.
55. Xinhua. (2024, September 26). China Focus: Chinese micro dramas on the rise.
56. ThinkChina. (2025, September 18). How Chinese micro-dramas are taking over our screens.
57. Sensor Tower. (2024, December 31). Short-drama redefines mobile entertainment and challenges games.
58. WARC. (2025, February 19). Inside the rise of micro dramas – and the opportunities for marketers.
59. Tang, W., & Wang, Y. R. (2025). ReelShort as a new template of international short-drama business: Platformisation, glocalisation, and de-westernised practices. **Global Media and China**.
60. Zhao, H. (2025). Factors influencing users' viewing intentions of 'tuwei' vertical micro-dramas: An empirical study based on TAM3. **Advances in Engineering Technology Research**, 14(1), 1308.
61. Zhang, Y. (2024). The impact of short videos on the creation and dissemination of intangible cultural heritage. **Communications in Humanities Research**.

62. Deng, F. (2025). Transcending boundaries through xianxia: Chinese TV drama consumption by global audiences in a cross-cultural context. **Journal of Transcultural Communication**.
63. Lu, Y. (2025). The inner logic of Chinese mini-dramas going to Japan from the perspective of cultural proximity: The world as a family. **Advances in Education, Humanities and Social Science Research**, 14(1), 376.
64. Lu, X., & Ba, N. (2024). Research on social media, short video, digitization and international communication of Chinese culture. **Applied Mathematics and Nonlinear Sciences**.
65. Yang, J., & Amirul, A. A. (2024). Exploration of TikTok's contribution to the communication of Huangmei Opera: An analysis based on the 5W model. **Studies in Media and Communication**, 12(3), 72.
66. Li, J. (2024). Analysis of influencing factors on the effect of cross-border communication of Chinese traditional culture based on new media. **International Journal of Education and Humanities**, 13(1), 171-175.
67. Chen, L. (2024). A corpus-based approach to the reception of Chinese television dramas streamed overseas. **Humanities and Social Sciences Communications**, 11, 1-10.
68. Pixazo. (2025, October 16). Why mini dramas are becoming popular in China.
69. Research on the impact of content innovation and profitability models on the innovation of short drama business models. (2024). **Media and Communication Research**, 5(4).
70. Graves, M. F., et al. (2017). **Teaching Students to Read Poetry: An Evidence-Based Approach**. Teachers College Press.
71. Studiobinder. (2025, May 12). What is narrative pacing—and how to control it.
72. Mar, R. A., et al. (2011). Emotion and narrative fiction: Interactive influences before, during, and after reading. **Cognition & Emotion**, 25(5), 818-833.
73. Young, R. M., Riedl, M. O., et al. (2004). Interactive storytelling with temporal planning. **ACM**.
74. Franke, N., et al. (2010). The "I designed it myself" effect in mass customization. **Management Science**, 56(1), 125-140.
75. Norton, M. I., Mochon, D., & Ariely, D. (2012). The IKEA effect: When labor leads to love. **Journal of Consumer Psychology**, 22(3), 453-460.

Disclaimer/Publisher's Note: The statements, opinions and data contained in all publications are solely those of the individual author(s) and contributor(s) and not of MDPI and/or the editor(s). MDPI and/or the editor(s) disclaim responsibility for any injury to people or property resulting from any ideas, methods, instructions or products referred to in the content.