2024, Vol. 1
https://fupress.org/journal

# Synthetic Visions: Exploring Machine-Generated Imagery in Posthuman Visual Culture

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**ARTICLE INFO**

Received: 15 Apr 2024
Accepted: 25 Jun 2024

**ABSTRACT**

The emergence of machine-generated imagery has profoundly redefined the visual aesthetics of the posthuman era. As generative artificial intelligence produces visual content across art, design, entertainment, and communication, we are witnessing a transformation in the ontology of the image, authorship, and aesthetic agency. This paper examines the philosophical, cultural, and aesthetic implications of synthetic images in the context of posthuman visual culture. Drawing upon posthumanist theory, computational creativity, and media archaeology, it investigates how machine vision and algorithmic generation challenge human-centered models of perception, authorship, and meaning-making. Through close readings of AI-generated artworks, speculative design, and digital image networks, this paper maps the contours of a synthetic visuality that is no longer exclusively human, proposing critical frameworks for understanding visuality in a co-agential media ecology.

**Keywords:** Synthetic Imagery, Posthuman Aesthetics, Generative AI.

## INTRODUCTION

We live in an era where machines not only recognize images but also create them. Generative AI systems such as DALL·E, Midjourney, and RunwayML have introduced a new mode of visual production that decouples image-making from traditional artistic labor. In these environments, the image is no longer a static representation or a product of singular human vision, but a probabilistic output generated by neural networks trained on millions of datasets. What implications does this shift hold for visual culture in the posthuman condition?

This paper argues that synthetic imagery—images generated autonomously or semi-autonomously by machines—constitutes a paradigmatic transformation in visual culture. The notion of posthuman visuality moves beyond anthropocentric assumptions about seeing and showing, offering a framework to analyze how perception, creativity, and representation evolve in relation to intelligent systems. The machine-generated image does not merely imitate human aesthetics; it generates new forms of seeing that reflect the logic and materiality of computation.

This article unfolds in five sections: Section 2 provides a theoretical overview of posthumanism and machine vision. Section 3 analyzes the aesthetics of generative imagery. Section 4 explores the cultural politics of synthetic visuals in art and design. Section 5 discusses the epistemological shifts introduced by synthetic visuality. The conclusion outlines critical methodologies for engaging with visual production in posthuman media environments.

## THEORETICAL FOUNDATIONS: POSTHUMANISM AND THE SYNTHETIC EYE

Posthumanism challenges the centrality of the human subject in philosophy, aesthetics, and technology. Thinkers like Haraway (1991), Hayles (1999), and Braidotti (2013) have emphasized the entanglement of human and non-human agents in knowledge production. Posthuman aesthetics thus reconsiders the agency of machines, systems, and code in shaping sensory and cognitive experience.

Machine-generated imagery exemplifies this entanglement. These images are not merely tools but active

participants in visual culture. As Flusser (1985) noted, technical images carry their own epistemologies—ways of seeing that are structured by apparatuses rather than human intentionality. In this sense, the "synthetic eye" of AI vision generates a nonhuman way of seeing, one that exceeds anthropomorphic frameworks.

Drawing from Simondon's (2011) theory of individuation, synthetic imagery can be understood as a product of techno-cultural individuation: a hybrid creation that is neither fully human nor purely machinic, but emerges from dynamic interactions across datasets, algorithms, prompts, and environments.

## AESTHETICS OF THE SYNTHETIC IMAGE

The aesthetics of machine-generated imagery are often described as surreal, uncanny, or hyperreal. However, these terms fail to account for the unique visual logic of synthetic images. Unlike traditional images rooted in mimetic representation or symbolic abstraction, synthetic visuals often reflect latent space interpolation—the mathematical manipulation of image features within a multidimensional computational field.

One key feature of synthetic aesthetics is modular recombination. Images are assembled through probabilistic layers, combining diverse visual references with no singular stylistic lineage. This produces a non-linear aesthetic that resists conventional genre classifications. For instance, Midjourney-generated images often juxtapose photorealistic detail with fantastical compositions, suggesting a machine imagination unconstrained by empirical reality.

Another hallmark is the emergence of procedural aesthetics: a style shaped by parameters, iterations, and algorithmic weightings. Here, creativity is distributed across system architecture, user prompt, training data, and probabilistic output. Authorship is not abolished but becomes networked and polyphonic.

This synthetic visuality destabilizes traditional aesthetic categories. As AI-generated works win prizes in art competitions and flood online platforms, we must re-evaluate the criteria of originality, intention, and artistic labor.

## CULTURAL POLITICS AND ARTISTIC INTERVENTIONS

The rise of synthetic imagery has sparked both fascination and critique within cultural and artistic discourse. Some view AI art as a democratizing force, enabling non-artists to produce compelling visuals. Others see it as a threat to creative labor, artistic autonomy, and visual authenticity.

At the cultural level, synthetic imagery reflects existing data biases. AI-generated images often reproduce hegemonic representations, such as racialized, gendered, and Western-centric tropes. This is not accidental but a function of training data sourced from uncurated internet repositories. Thus, the politics of synthetic imagery are inseparable from the politics of data.

Artists and designers have responded with critical interventions. For instance, Dinkins's (2020) work with AI critiques algorithmic bias by foregrounding Black subjectivity and Afro-futurist epistemologies. Paglen's (2019) "Machine Vision" series exposes the hidden structures behind AI classification systems. These projects exemplify what Zylinska (2019) calls "critical media practice"—an approach that uses art to interrogate the conditions of its own possibility.

## EPISTEMOLOGIES OF SYNTHETIC VISUALITY

Synthetic imagery not only transforms how we see but also how we know. These images are part of a broader shift toward what Floridi (2014) terms the infosphere—a world saturated with data where knowledge is increasingly mediated by computational systems.

In this context, images become epistemic agents. Generated by AI, they do not represent a fixed reality but simulate possible ones. This has implications for journalism, science communication, and historical memory. For instance, AI-generated images of historical events (e.g., "deepfake history") challenge the authority of photographic evidence, demanding new literacies for image verification.

Moreover, synthetic visuals participate in what Bratton (2015) calls "planetary computation": a system of global-scale sensing, modeling, and simulation. Within this regime, images serve as instruments of prediction, optimization, and control—not merely as representations, but as active components of algorithmic governance.

Understanding these epistemic shifts requires new interpretive tools that bridge media theory, cognitive

science, and critical AI studies.

## CONCLUSION: TOWARD A POSTHUMAN VISUAL LITERACY

The advent of synthetic imagery marks a turning point in visual culture. As machines become co-creators of visual meaning, the human-centric model of image production gives way to a distributed, computational, and posthuman aesthetics. This transformation demands not only technical adaptation but critical engagement.

We must cultivate a posthuman visual literacy—one that recognizes the agency of algorithms, interrogates the politics of datasets, and appreciates the novel aesthetic logics of synthetic images. Such literacy should be interdisciplinary, combining insights from art history, machine learning, critical theory, and ethics.

In embracing the synthetic gaze, we do not abandon human creativity. Rather, we expand the field of visual culture to include nonhuman co-agents, rethinking authorship, aesthetics, and epistemology for an age of intelligent images.

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