

Artificial Synaesthesia in Tension Between Sonic And Architectural Composition: Intelligent Computational Infrastructure and Stochastic Redundancy

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Abstract

Meandering among concepts and practices, this essay tries to reveal the entanglement between them instead of advocating for any single perspective. It is structured into three interrelated analyses. First from computation to global infrastructure, the analysis covers geopolitical meanings and regional development based on systematic planning. Then, their shared empirical abstractness and intrinsic composition lead to and echo with the discussion of the correlation between music and architecture, initially analysed by musician and architect Iannis Xenakis, according to whom a stochastic system accommodating order, and disorder emerges elevated into aesthetics. Third, I argue the stochastic system contains anxiety from disorder and noise, reassembling artificial aesthetics' effect. This sense of anxiety attaches to redundant objects having a physical presence and actors' roles proven by sonic-urban events and projects intervening in the existing infrastructure culturally, technologically, planetarily, and intellectually by examples. The planetary way differs from occurred globalism, as it allows for contextual adaptations allowing redundancy and noise desired as friction in music production.[1] Philosophical reflection and literature reviews are the main methodologies here. From a holistic perspective, threads of thinking across disciplines are recorded preparing for future research on nuanced systems and new philosophy or institution involved.

Keywords

Sonic Architecture, Artificial Aesthetics, Synaesthesia, Noise, Probability, Stochastic Composition, Object-Oriented Philosophy, Planetary Thinking, Global Infrastructure, Computation and Planning

References

- [1] Serafin, S. (2004) The Sound Of Friction: Real-Time Models, Playability And Musical Application. Ph. D. Thesis. Stanford University.

Declaration on Generative AI

The author(s) have not employed any Generative AI tools. During the preparation of this work, the author(s) used ChatGPT, Grammarly in order to: Grammar and spelling check, Paraphrase and reword. After using this tool/service, the author(s) reviewed and edited the content as needed and take(s) full responsibility for the publication's content.

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