

# Electronic music composition thinking using visual learning and visual sensing technology

Jian Pi 

School of Preschool Education of Changsha Normal University, Changsha, Hunan, China

## Correspondence

Jian Pi, School of Preschool Education of Changsha Normal University, Changsha 430100, Hunan, China.  
Email: [pjian-123music@csnu.edu.cn](mailto:pjian-123music@csnu.edu.cn)

## Abstract

This exploration aims to provide a kind of interactive electronic music composition thinking based on visual learning and visual sensing technology to enhance the thinking process of electronic music composition. Initially, it summarizes the functionalities of the physics components in Unity and analyzes the principles of visual interaction implementation using Virtual Reality (VR) devices and Leap Motion in Unity. Subsequently, the composition of interactive electronic music works is designed and implemented based on ultrasonic sensor technology. Lastly, this exploration focuses on the complete visual design of the audio-visual integration of Musical Instrument Digital Interface (MIDI) music to represent Cymatics' images of the emotional content of the music. MIDI data can be assigned to provide various mapping possibilities between images and content in music visualization composition. This exploration also designs experiments based on sensory aftereffects and audio-visual synesthesia to further determine the counterpoint law between the shape of dynamic Cymatics' images and the timbre's audio-visual synesthetic results. The results indicate that Bass and Kick are distributed in the mid-low frequency and sub-low frequency range (20–160 Hz), Vocal and Lead are distributed in the mid-high frequency range (1280–2560 Hz), and Hi-hat is distributed in the high-frequency range (2560–5120 Hz). This exploration utilizes computer technology to create a music visualization method that conforms to the visual expression and aesthetic style of a multi-sensory experience.

## KEYWORDS

composition thinking, electronic music, visual learning, visual sensing technology

## 1 | INTRODUCTION

Electronic music composition is increasingly important in contemporary music due to technology's continuous progress and development. What distinguishes electronic music is its fusion of technology, art, and innovation, going beyond being just a musical form (Frid, 2019; Turchet et al., 2020; Yang et al., 2020). Over the past few decades, electronic music has brought people unprecedented auditory experiences by exploring new sonic elements and music production techniques (Briot, 2021). However, the process of electronic music composition is not limited to music theory and the use of music production software; visual elements also play a significant role. The application of visual learning and visual sensing technology has introduced fresh ways of thinking and creative tools to electronic music composition (Gong, 2021; Kim et al., 2022; Lu et al., 2023). This composition thinking based on visual learning and visual sensing technology provides musicians with an intuitive and creative way to explore the possibilities of music composition.

Visual learning involves comprehending and learning complex data and concepts through visual representation (Wang et al., 2020). By visually presenting various elements of music in the form of graphics or images, creators gain a more intuitive understanding of the music's structure,

# Electronic Composition

**United States. National Bureau of  
Standards**



## **Electronic Composition:**

**Electronic Composition in Printing** Richard W. Lee, Roy W. Worrall, 1968 A Symposium on Electronic Composition in Printing was held at the Gaithersburg Laboratories of the National Bureau of Standards The symposium was a state of the art review of a rapidly advancing field of computer application with great potentialities for increased efficiency and savings in the Federal Government Author

**Composing Electronic Music** Curtis Roads, 2015 Electronic music evokes new sensations feelings and thoughts in both composers and listeners Composing Electronic Music outlines a new theory based on the powerful toolkit of electronic music techniques

**Experimental Music** Lejaren Arthur Hiller (jr.), Leonard Maxwell Isaacson, 1979 Publications of the National Bureau of Standards United States. National Bureau of Standards, 1968

NBS Special Publication ,1968 Publications United States. National Bureau of Standards, 1969

**Live-electronic Music** Friedemann Sallis, Valentina Bertolani, Jan Burle, Laura Zattra, 2018 During the twentieth century electronic technology enabled the explosive development of new tools for the production performance dissemination and conservation of music The era of the mechanical reproduction of music has rather ironically opened up new perspectives which have contributed to the revitalisation of the performer s role and the concept of music as performance This book examines questions related to music that cannot be set in conventional notation reporting and reflecting on current research and creative practice primarily in live electronic music It studies compositions for which the musical text is problematic that is non existent incomplete insufficiently precise or transmitted in a nontraditional format Thus at the core of this project is an absence The objects of study lack a reliably precise graphical representation of the work as the composer or the composer performer conceived or imagined it How do we compose perform and study music that cannot be set in conventional notation The authors of this book examine this problem from the complementary perspectives of the composer the performer the musical assistant the audio engineer the computer scientist and the musicologist

*An Electronic Composition in Memory of Ivan Tcherepnin* Fleur de Vie Weinstock, Harvard University. Department of Music, 1999 This thesis consists of a CD and a book The CD contains an electronic composition The book includes a score for the performance Performance Instructions a visual score for the samples created Soundwave Pages and various background materials including notes from the making of the samples and composition Appendices Because there is no standard practice for notating electronic music the score to an electronic composition seems to generally be an experiment In this experimental sense this book is the score of the composition Preface

*The Cleveland Medical and Surgical Reporter* ,1908 Journal of the American Chemical Society American Chemical Society, 1916 Proceedings of the Society are included in v 1 59 1879 1937

The Electric Journal ,1919

**The Electronics Journal** ,1914

**Video Technologies for Multimedia Applications** Mahmood R. Azimi-Sadjadi, Sassan Sheedvash, Society of Photo-optical Instrumentation Engineers, 2001

**Science Abstracts** ,1927

**An Investigation of the Thermo-electric Properties of Some Alloys of Nickel** Harry Albert Irving, 1926 **General**

**Electric Review** General Electric Company,1922      Communication Technology Impact ,1979      Proceedings of the  
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