JOURNAL OF DHAMMA FOR LIFE
ISSN (Online): 2822-048X

วารสารธรรมเพื่อชีวิต
JOURNAL OF DHAMMA FOR LIFE
ISSN: 2822-048X
https://soo8. tci-thaijo. org/index. php/dhammalife/index

Original Research Article DOI: 10.14456/jdl.2025.91

The Role of Controlled Aleatory Music in the Development of Modern Music in China

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Keywords:
Chinese Modern Music; Controlled Aleatory Music; Music Development; Music Research

Article history:
Received: 17/07/2024
Revised: 12/08/2024
Accepted: 19/09/2025
Available online: 25/03/2025

How to Cite:
Zhou et al. (2025) The Role of Controlled Aleatory Music in The Development of Modern Music in China. *Journal Dhamma for Life*, 31(1), 560-567.

ABSTRACT

This paper aims to explore the development and research status of "controlled aleatory music" in modern Chinese music. Through combing the relevant literature and case analysis, this paper analyzes the origin and development characteristics of controlled aleatory music in modern Chinese music and its influence on music creation and performance. The study found that controlled aleatoryl music is diversified and innovative in modern Chinese music, providing more possibilities and space for music creation.

Controlled aleatory music, as an innovative musical form, integrates elements of compositional control with performance-based randomness. This study explores the historical development, defining characteristics, and cultural impact of controlled aleatory music in modern Chinese music. By analyzing the evolution of this musical form, the research reveals how controlled aleatory techniques bridge the gap between rigid compositional methods and flexible performance practices. Drawing from theoretical frameworks and case analyses, the study examines how Chinese composers adapt these techniques to blend Western avant-garde approaches with indigenous musical traditions. The findings provide new insights into the evolving landscape of modern Chinese music and highlight the continuing relevance of controlled aleatory practices in contemporary composition.

Introduction

The controlled aleatory music, as a unique form of music, has gradually attracted attention in the field of Chinese modern music in recent years. This musical form emphasizes the uncertainty and randomness in the process of creation and performance, while guiding the development of music through certain control means. This paper will discuss the development and research of controlled aleatory music in modern Chinese music.

In recent years, controlled aleatory music has gradually gained recognition within the field of modern Chinese music. This distinctive musical form blends elements of uncertainty and randomness with structured control, creating a dynamic interaction between the composer's intentions and the performer's interpretative freedom (Liu, 2021). Unlike traditional music, where composers exert strict control over all musical elements, controlled aleatory music allows for a degree of performer autonomy while maintaining a framework of compositional guidelines. This balance between control and chance offers a new perspective on the creative process and enriches the expressive possibilities of contemporary music (Yao, 2016).

Controlled aleatory music emerged as a response to the polarized approaches of total serialism and free indeterminacy in the mid-20th century. While total serialism emphasizes precise control over every musical parameter, indeterminate music grants performers significant freedom to shape the sound in real-time. Controlled aleatory music occupies a middle ground, where composers design specific parameters while leaving certain aspects open to performer interpretation (Liu, 2021). This approach has found fertile ground in China, where traditional musical practices—such as the "loose board" concept in Chinese opera—already contain elements of structured improvisation and flexibility (Yao, 2016).

The purpose of this study is to examine the development and influence of controlled aleatory music in modern Chinese music. By tracing its historical evolution, analyzing its musical characteristics, and exploring its impact on contemporary composition, this research aims to provide a comprehensive understanding of how controlled aleatory techniques have shaped the landscape of Chinese modern music. Furthermore, this study will highlight how Chinese composers have adapted and innovated within this framework, integrating both Western avant-garde techniques and indigenous musical traditions (Liu, 2021; Yao, 2016).

Literature Review and Theoretical Framework

Liu Yongping (2021), in his work Controlled Counterpoint and Its Positioning Structure: Seven Studies of Modern Music Polyphonic Techniques, emphasizes that musical works involve both the composer's initial creation and the performer's interpretative realization. Throughout the history of music, the relationship between "control" and "aleatory" has evolved dynamically. For example, during the Baroque period, compositions such as Bach's The Well-Tempered Clavier offered minimal performance instructions, allowing interpretative freedom. By contrast, Impressionist compositions often featured detailed performance guidelines. This historical context highlights the ongoing tension between compositional control and performer autonomy (Liu, 2021).

Until the 1950s, modern music work and performance shows "control" and "aleatory" is the trend of polarization, first tend to fully control all music elements of "sequence music" style, the new music language its composition way is very complex and rational, and requires performers accurately playing or singing.However, in the extreme, some composers try to get

rid of the shackles of this extreme rationality. In the process of music creation and performance, the elements and their combination of music are given a completely objective and random "uncertainty", thus developing a random style of "controlled aleatory music".

In the face of the two poles parallel and opposing music style, some composer's choice and practice is neither indulge the overall sequence music, also do not advocate absolute controlled aleatory music, but is committed to introduce the controlled factors to control the rational composition, organic fusion of twelve doctrine, sequence principle and limited uncertainty, through continuous exploration and innovation, eventually form a highly personalized "controlled aleatory" music style.

Yao Henglu "ruto lavsky controlled music composition techniques research" (Yao, 2016) that controlled music factors in Chinese traditional music already exists, such as, free folk songs, letter day swim, opera music national instrumental music of "free beat", but the music is mostly in the form of single part. The concept of "loose board" in traditional Chinese music is free beat and fixed beat, but the music is not very casual; the opera singing is a kind of slow singing, the length, strength and speed of the music are similar to chanting tone, and "aleatory" components similar to controlled music, each performance is different.

Conclusion: The controlled aleatory music has made some achievements in the development and research in China. These results will not only help us to better understand the development of this field, but also provide new ideas and methods for future research.

Objectives

1. To trace the historical background and evolution of controlled aleatory music in modern Chinese music.
2. To analyze the characteristics and expressive forms of controlled aleatory music in modern Chinese music.
3. To explore the influence of controlled aleatory music on the creation and performance of Chinese modern music.

Research Methodology

Literature Research Method

Through consulting relevant books, journals, papers and other literature materials, to understand the theoretical basis, development process of controlled aleatory music and its application in Western music. At the same time, the historical data and current situation of the development of Chinese modern music are collected to compare and analyze the influence and role of controlled aleatory music in Chinese modern music.

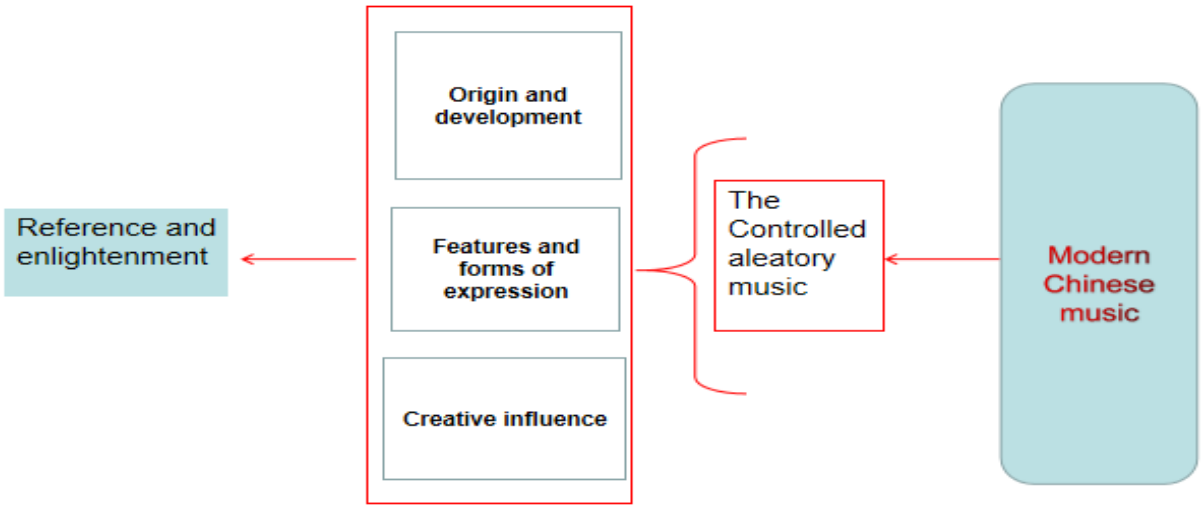
Case Analysis Method

The representative Chinese modern music works are selected as cases to deeply analyze how the controlled aleatory music elements are used in these works, and how these elements affect the overall style and expression of the works. Through the analysis of specific cases, the practical application effect of controlled aleatory music in modern Chinese music can be displayed more intuitively.

Method of Comparative Analysis

The controlled aleatory music and Chinese traditional modern music are compared and analyzed to explore the similarities and differences and mutual influence. At the same time, we can also compare Chinese modern music with western modern music and analyze the commonness and differences between controlled aleatory music. A fuller understanding of the role of controlled aleatory music in the development of modern Chinese music can be achieved by comparative analysis.

the conceptual framework



Result

1. The results of this study on the origin and development of controlled aleatory music, help to better understand the status and evolution process of controlled aleatory music in Chinese modern music system, and reveal the internal logic and external motivation of its development.

2. The revealed and inductive characteristics and forms of controlled aleatory music in this study help us to understand the aesthetic value and artistic characteristics of controlled aleatory music.

3. The influence of controlled aleatory music explored in this study on modern music creation can help us to more comprehensively evaluate the status and value of controlled aleatory music in modern music creation.

Discussion

The Controlled Aleatory Musical Origin And Development

The controlled aleatory music originated from aleatory music, one of the western modernist music schools, and was formed through the development and innovation of the Polish composer Ruttoslavsky (Witold Lutoslawski).

The earliest germination of aleatory music or dating back to certain musical games of the 18th century, by rolling dice, take different musical pieces from various pre-arranged small boxes and piece them together. In the 20th century, modernist composers developed accordingly, exaggerating the contingency to its decisive position, and produced all kinds of incidental music. J. Cage, the founder of controlled music, whose earliest controlled music work, the piano music "Changing Music", is determined according to the Chinese Book of Changes and the three money statements. He claimed to exclude personal tastes, memories and artistic traditions from music, and introduced a lot of noise in music.

After the 1950s, Lutoslawki gradually absorbed sequential music and avant-garde creative techniques, and after the 1960s, he formed his personal musical style —— "controlled aleatory counterpoint" technique. This technique is formed on the basis of various techniques of twelve music, sequence music and aleatory music. Unlike Cage's aleatory music, Lutoslawki for controlling the use of controlled factors is mainly reflected in the details of different value pattern, he through the strength change, playing method of detailed annotation, pitch and rhythm combination of strict design, and limited extension symbol specific technology, to reflect the rigor of music works.

Therefore, it can be said that controlled aleatory music is introduced, on the basis of aleatory music, into the process of music creation and performance, while maintaining the strict control over the musical form, so as to form a new musical style. This musical style has a certain influence in the western modernist music genre, bringing new ideas and possibilities for music creation and performance.

Conclusion: Controlling aleatory music is developed on the basis of aleatory music in the western modernist music genre. It not only retains some characteristics of aleatory music, but also makes the structure and form of music more rigorous and orderly through the careful design and control of the composer. The development of this musical form not only enriches the expression techniques of modern music, but also provides more possibilities and space for music creation.

The Controlled Aleatory Musical Features and Forms Of Expression

The Controlled aleatory music has a range of unique features and manifestations. This musical style is maintaining tight control over the overall process of music while allowing for contingency in detail, thus creating rich and tension-filled musical effects.

First, one of the characteristics of controlled aleatory music is its rigor. In the process of creation, the composer strictly controls the pitch, music style, strength and other elements, so as to ensure that the overall framework and structure of the music remain stable. This rigor is reflected in the precise design and annotation of the various musical elements, which enables the music to show rich changes in the details while maintaining the overall coordination.

Second, aleatory is another distinctive feature of controlled aleatory music. This aleatory is usually reflected in the performance process, through the player's improvisation or specific playing skills. The composer sets certain rules and restrictions in the score, allowing the player to play freely within a certain range. The introduction of this aleatory makes it possible to have different effects with each performance, increasing musical diversity and unpredictability.

In terms of the form of expression, controlled aleatory music usually adopts modern music techniques such as sequence music and decmusic, and combines with specific performance methods and techniques to achieve its unique effects. For example, a composer

may guide the player to improvisation through specific rhythm combinations, intensity changes, or labeling of performance methods, to create unique sound effects and musical experience.

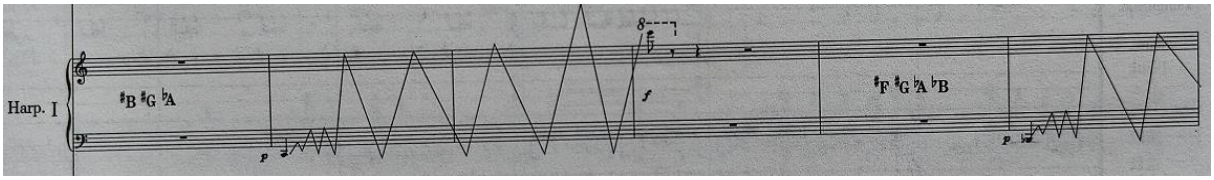
In addition, controlled aleatory music is often manifested as a counterpoint state, in which different vocal parts form complex rhythmic relations in the longitudinal free binding. This counterpoint state is realized by juxtaposing the contrast structure, so that the music can show a rich sense of hierarchy and dynamic changes in the details while maintaining the overall harmony.

The Controlled aleatory music is famous for its rigor, aleatory, and unique forms of expression. It creates a musical style full of tension and change because of its precise design and control, combining the player's improvisation and specific skills, bringing new ideas and possibilities for modern music creation and playing.

The Influence of Controlled Aleatory Music on Chinese Modern Music Creation

As a unique concept and way of music creation, the controlled aleatory music has exerted a profound influence on the modern music creation in China. The following is the specific influence of controlled aleatory music on the creation of modern music in China:

First, controlled aleatory music emphasizes the randomness and uncertainty in music creation, encouraging musicians to break the traditional rules and shackles of creation and seek new ways of musical expression and possibilities. This innovative idea has stimulated the imagination and creativity of the modern Chinese music creators, prompting them to try a more free, diversified and personalized music creation. For example, the famous Chinese composer Ma Jianping "Symphony Concert Fantasy Overture I" in the harp scraping fragments. (Spectrum example 1)



Second, the controlled aleatory music makes musical representations more diverse and enriched by introducing random elements and uncertainty. This form of music provides more possibilities for the creation of modern Chinese music, enabling the music works to present more unique and novel styles and characteristics. For example, the famous Chinese composer Ma Jianping. (Spectrum 2)

Finally, the controlled aleatory music pays attention to the expression of the internal emotion and artistic conception of music, and emphasizes the artistic quality and aesthetic value of music. This concept has also influenced the creation of modern Chinese music, making music creators pay more attention to the emotional expression and aesthetic pursuit of musical works, and improving the artistic quality and cultural connotation of music creation.

Conclusion: The controlled aleatory music has brought new ideas and inspiration to Chinese modern music creation, and promoted the innovation and development of music creation. At the same time, it also encourages musicians to constantly explore and try new ways of musical expression and possibilities, injecting new vitality and impetus into the development of modern Chinese music.

Conclusion

The study concludes that controlled aleatory music represents a significant development in modern Chinese music, offering a unique synthesis of control and chance. By tracing its historical evolution and analyzing key works, the research highlights how this musical form enriches the expressive capabilities of contemporary composition. Furthermore, the integration of controlled aleatory techniques with Chinese musical traditions demonstrates the adaptability and innovation of modern Chinese composers. This study contributes to the academic understanding of controlled aleatory music and provides a foundation for future research in the field.

Recommendations

General Recommendations

First of all, composers are encouraged to maintain an open creative mind, have the courage to try new musical elements and ways of expression, constantly challenge and break through the traditional musical frameworks, and create unique and innovative musical works. Second, in controlled aleatory music, the balance between control and aleatory is key. It is suggested that the composer should not only maintain the control over the musical structure and expression in the process of creation, but also be good at introducing appropriate controlled elements to create musical works that are both logical and surprising. Finally, composers are encouraged to try to cooperate and communicate with artists of different musical genres, cultural backgrounds and art forms, and draw new creative inspiration and ways of thinking, so as to enrich and expand the connotation and extension of modern Chinese music.

Recommendation for future research

First of all, in-depth research and discussion on the theoretical basis of controlled aleatory music is conducive to a better understanding of its creative concept and musical characteristics, and to provide more solid theoretical support for future music creation.

Secondly, through specific case analysis, study the practical application effect and influence of controlled aleatory music in Chinese modern music creation, summarize the successful experience and shortcomings, and provide useful reference and inspiration for future music creation.

Finally, we can try to combine the aleatory music with other art forms (such as dance, drama, film and television, etc.), explore its potential and possibility in the comprehensive artistic expression, and inject new vitality and creativity into the development of modern art.

Conclusion: The controlled aleatory music provides a new idea and direction for the creation of Chinese modern Chinese music. By maintaining an innovative and open attitude, balancing control and aleatory, focusing on cross-border integration and dialogue, as well as in-depth theoretical research and practical application exploration, it can promote the continuous development of Chinese modern music creation, and enrich and expand its artistic connotation and form of expression.

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