



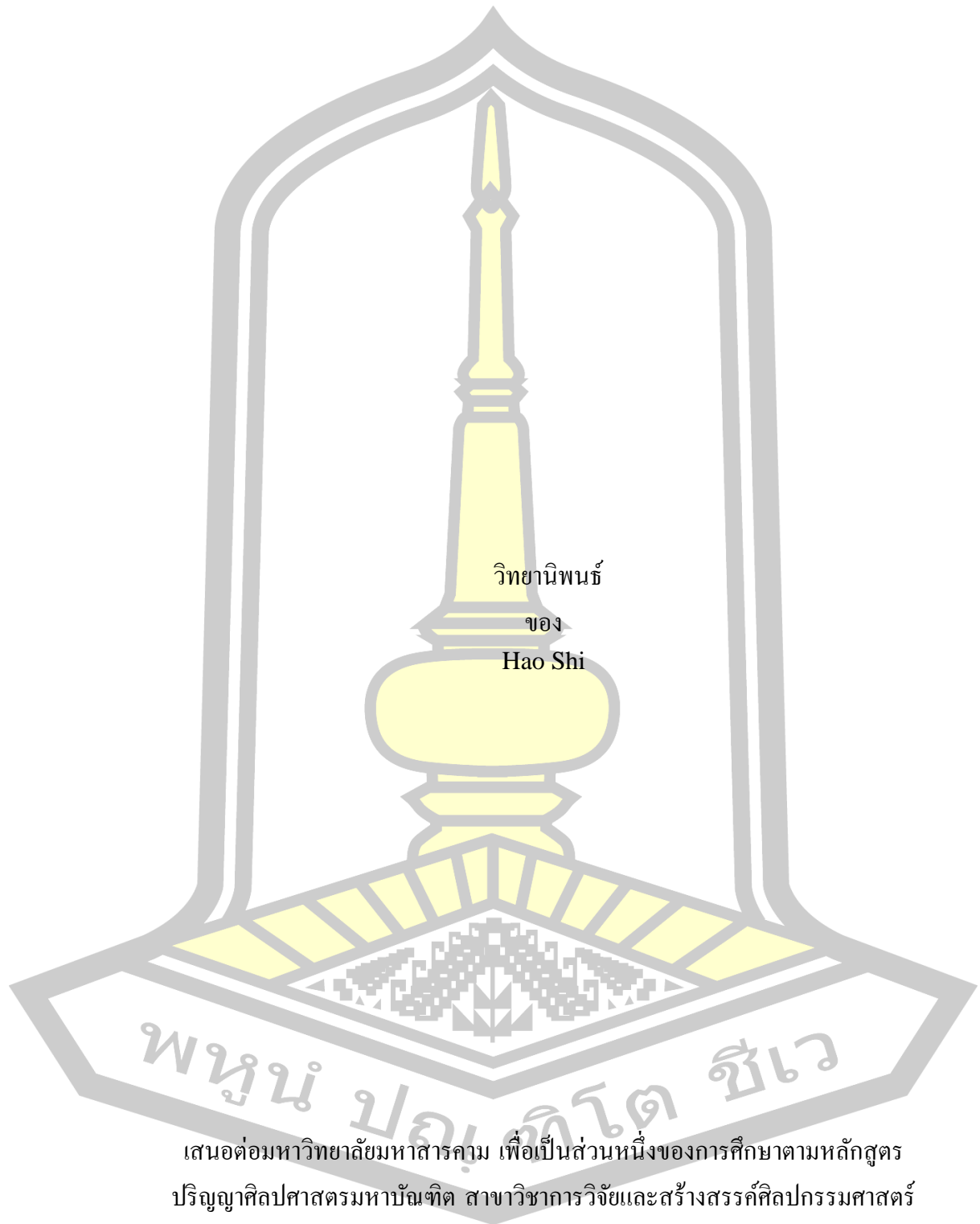
Sculpture Art Flying Deities in Longmen Grottoes of Luoyang: Creating Flying Animation

Hao Shi

A Thesis Submitted in Partial Fulfillment of Requirements for
degree of Master of Arts in Fine and Applied Arts Research and Creation
February 2024

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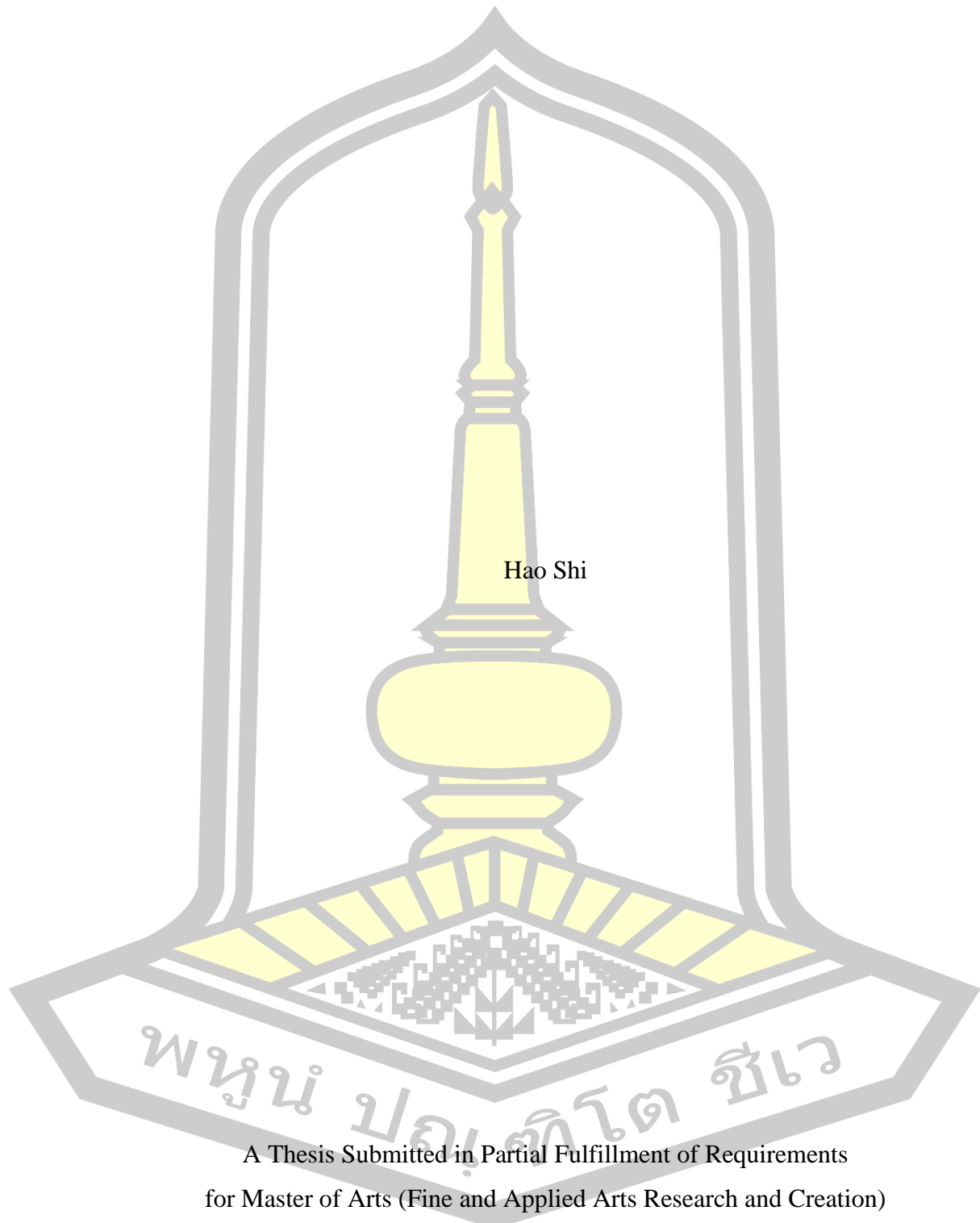


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Sculpture Art Flying Deities in Longmen Grottoes of Luoyang: Creating Flying Animation



A Thesis Submitted in Partial Fulfillment of Requirements
for Master of Arts (Fine and Applied Arts Research and Creation)

February 2024

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ABSTRACT

The Longmen Grottoes in Luoyang is a famous grotto art heritage in China, and is famous all over the world for its unique artistic style and rich cultural connotation. As an important part of the Longmen Grottoes in Luoyang, the Flying pattern has a unique shape and symbolic meaning, and is one of the important elements in traditional Chinese art. In recent years, with the rapid development of animation creation and the attention of cultural heritage protection, introducing the flying patterns of Luoyang Longmen Grottoes into animation creation has become an eye-catching research field. This article aims to review the application and exploration of the flying patterns of Longmen Grottoes in Luoyang in animation creation, in order to provide theoretical support and practical guidance for the integration of traditional art and modern animation.

Research background and motivation:

As one of the important representatives of Chinese grotto art, the Longmen Grottoes in Luoyang have aroused extensive research interest for their unique artistic style and historical background. At the same time, as a modern artistic expression, animation has rich expressive techniques and broad creative space. Introducing traditional art elements into animation creation not only helps to inherit and develop traditional culture, but also injects new artistic charm into animation creation. Therefore, it is of great theoretical and practical significance to study the application and exploration of the flying patterns of Longmen Grottoes in Luoyang in animation creation.

Research purposes and questions:

This article aims to deeply explore the potential and technical realization of the flying patterns in Longmen Grottoes in Luoyang in animation creation, and to explore innovative ways and expressive techniques that combine traditional art with modern animation. Specifically, this paper will answer the following research questions: What is the significance, historical background and cultural value of the Flying pattern in traditional art? What are the connections and possibilities between

animation creation and traditional art? What are the application potential and technical challenges of the flying patterns of Longmen Grottoes in Luoyang in animation creation?

literature review:

Through the review of relevant literature, we learned that the flying sky patterns in Longmen Grottoes in Luoyang are regarded as symbols of religion, court and folk art in traditional art, and represent people's pursuit of a better life and a peaceful future. Its unique shape and exquisite craftsmanship have won wide acclaim and research. At the same time, as a form of modern artistic expression, animation creation can vividly express characters, scenes and plots by using various technical means and creative tools. The integration of traditional art and animation creation provides art creators with a new path of creation and space for expression.

In terms of research methods and framework, this paper will adopt research methods such as comprehensive literature analysis, case studies, and empirical investigations to systematically discuss the application and exploration of the flying patterns of Longmen Grottoes in Luoyang in animation creation. First of all, through literature review and historical research, in-depth understanding of the historical background, cultural connotation and artistic characteristics of the Feitian pattern in Luoyang Longmen Grottoes. Secondly, combining the relevance and possibility of animation creation and traditional art, the potential and challenges of the flying patterns in Luoyang Longmen Grottoes in animation creation are discussed. Then, analyze the expressive techniques and aesthetic principles of the Flying pattern, including the modeling and design principles, the use of color and aesthetic expression, the fusion of narrative and symbolic meaning, etc. At the same time, study the application of animation technology and tools, including the selection and use of computer graphics technology, animation software and tools, and conduct analysis and evaluation in combination with practical cases. Finally, discuss the balance between traditional art protection and innovation, as well as the protection and inheritance strategies of the flying patterns in Longmen Grottoes in Luoyang.

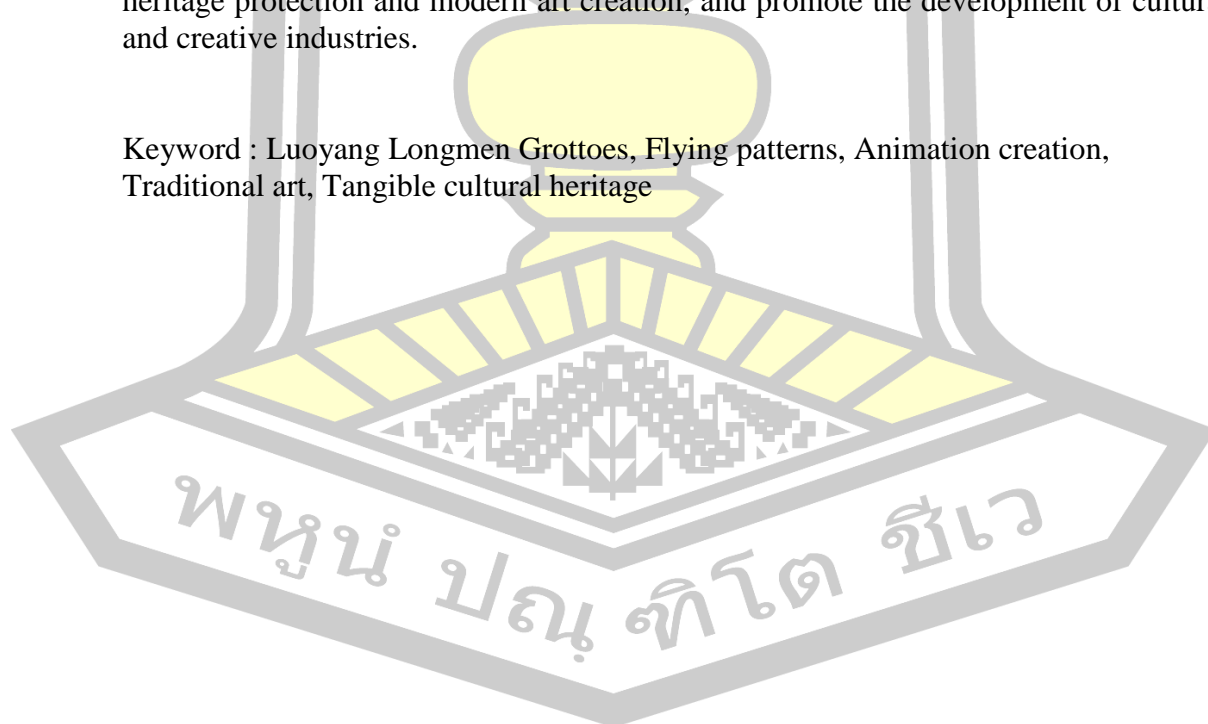
Through empirical research and case analysis, this article will analyze the application cases of the flying patterns of Longmen Grottoes in Luoyang in animation works, including the background and purpose of creation, creation process and technical realization. To further investigate and analyze the audience's perception and emotional response to the animation of flying patterns in Longmen Grottoes in Luoyang, as well as the audience's attitude and acceptance of the integration of traditional art and modern animation. In the discussion and prospect section, the research results will be synthesized, suggestions for improvement will be put forward, and the future development direction and possibility of innovation will be forecasted.

To sum up, this article will summarize the application and exploration of the flying patterns in Luoyang Longmen Grottoes in animation creation from the aspects of research background and motivation, research purpose and problems, literature review, research methods and framework. Through an in-depth study of the

historical background and cultural connotation of the Longmen Grottoes in Luoyang, the meaning and symbolic meaning of Flying patterns in traditional art are discussed. At the same time, combining the integration of animation creation and traditional art, explore the potential and challenges of the flying patterns in Luoyang Longmen Grottoes in animation creation. In-depth analysis of the expressive technique and aesthetics of the Flying pattern, including modeling and design principles, color application and aesthetic expression, integration of narrative and symbolic meaning, etc. Research the application of animation technology and tools, including the selection and use of computer graphics technology, animation software and tools, and evaluate with practical cases. At the same time, it discusses the balance between traditional art protection and innovation, as well as the protection and inheritance strategy of the flying patterns in Longmen Grottoes in Luoyang. Through empirical research and case analysis, we will gain an in-depth understanding of the application of flying patterns in Longmen Grottoes in Luoyang in animation works, and investigate the audience's feedback and acceptance.

Through the research summary of this paper, it can provide theoretical support and practical guidance for the application of the flying patterns of Luoyang Longmen Grottoes in animation creation, promote the integration of traditional art and modern animation, enrich the artistic expression of animation creation, and promote the inheritance and development of traditional culture. innovation. In addition, the research results of this paper can also provide reference and inspiration for scholars and creators in other related fields, promote the organic combination of cultural heritage protection and modern art creation, and promote the development of cultural and creative industries.

Keyword : Luoyang Longmen Grottoes, Flying patterns, Animation creation, Traditional art, Tangible cultural heritage



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TABLE OF CONTENTS

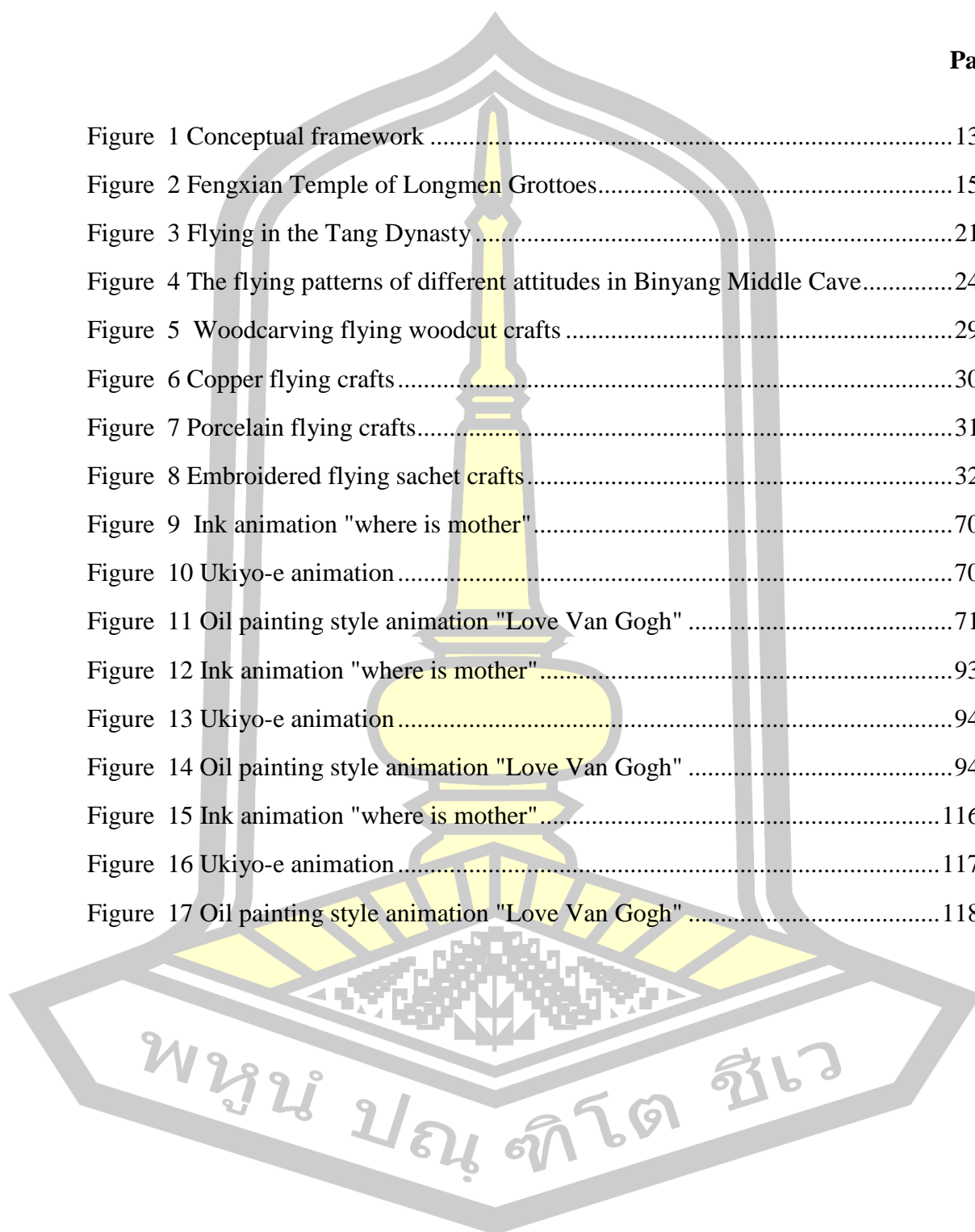
	Page
ABSTRACT.....	D
ACKNOWLEDGEMENTS.....	G
TABLE OF CONTENTS.....	H
LIST OF FIGURES	J
Chapter I.....	1
Introduction.....	1
1 Background of Research.....	1
2 Purpose of the Research.....	7
3 Research Questions.....	7
4 Definition of Terms	7
5 Scope of Research.....	9
6 Research Methodology.....	9
7 Concept, Theory and Conceptual framework.....	12
8 Research plan.....	13
9 Benefits of Research	14
Chapter II.....	15
Literature Review.....	15
1 The historical and cultural background of the Longmen Grottoes in Luoyang....	18
2 The evolution of flying Deities sculpture art.....	22
3 The application and significance of Flying patterns in traditional art.....	26
4 The shape and design principles of the flying Apsaras pattern	34
5 Color application and aesthetic expression.....	39
6 The fusion of narrative and symbolic meaning	44
7 Trend Analysis and Expert Demonstration of Luoyang Longmen Grottoes Flying Apsaras Patterns in Animation Creation	58
Chapter III.....	63

Integration of Animation Creation and Traditional Art	63
1 Overview and development of animation creation	63
2 The correlation between traditional art and animation creation	69
3 The Potential and Challenges of Luoyang Longmen Grottoes Flying Patterns in Animation Creation	79
Chapter IV	86
Integration of Animation Creation and Traditional Art	86
1 Overview and development of animation creation	86
2 The correlation between traditional art and animation creation	92
3 The Potential and Challenges of Luoyang Longmen Grottoes Flying Patterns in Animation Creation	102
Chapter V	109
Integration of Animation Creation and Traditional Art	109
1 Overview and development of animation creation	109
2 The correlation between traditional art and animation creation	115
3 The Potential and Challenges of Luoyang Longmen Grottoes Flying Patterns in Animation Creation	126
REFERENCES	134
Annex	137
Annex A	137
Questionnaire	137
BIOGRAPHY	140

พูน ปณ ทิโต ชีเว

LIST OF FIGURES

	Page
Figure 1 Conceptual framework	13
Figure 2 Fengxian Temple of Longmen Grottoes.....	15
Figure 3 Flying in the Tang Dynasty	21
Figure 4 The flying patterns of different attitudes in Binyang Middle Cave.....	24
Figure 5 Woodcarving flying woodcut crafts	29
Figure 6 Copper flying crafts	30
Figure 7 Porcelain flying crafts.....	31
Figure 8 Embroidered flying sachet crafts.....	32
Figure 9 Ink animation "where is mother"	70
Figure 10 Ukiyo-e animation	70
Figure 11 Oil painting style animation "Love Van Gogh"	71
Figure 12 Ink animation "where is mother"	93
Figure 13 Ukiyo-e animation	94
Figure 14 Oil painting style animation "Love Van Gogh"	94
Figure 15 Ink animation "where is mother"	116
Figure 16 Ukiyo-e animation	117
Figure 17 Oil painting style animation "Love Van Gogh"	118



Chapter I

Introduction

1 Background of Research

Luoyang is located in the south bank of the middle reaches of the Yellow River in the central and western part of Henan Province of China. It faces Longmen, uses Hangu Pass in the west and Hulao Pass in the east. In terms of historical development, in order to further control Kanto and Jiangnan, the Sui Dynasty would build "Tokyo" in Luoyang and other places. During the Tang Wude period, "Tokyo" was changed to "East Capital". As the political and economic center of the Tang Dynasty moved to Luoyang, the eastern capital, and Li Zhi and Wu Zetian of Emperor Gaotang of the Tang Dynasty believed in Buddhism, the Buddhist center of China also turned to Luoyang. On the basis of the original cultural activities of carving Buddha statues, Longmen Grottoes ushered in a larger scale, becoming the most representative Buddhist relic of this period and one of the classic representatives of Chinese stone carving Buddhist grottoes culture.

There are a total of 2345 caves in Longmen Grottoes, of which the Buddha grottoes of the Tang Dynasty account for two-thirds of the total, about 1,600. There are 39 large Buddhist niches of the Tang Dynasty in Longmen Grottoes, and the rest are small Buddhist niches of the Tang Dynasty. The main reference features of the shape of the Buddha statue are in the aspects of French clothing and hand posture. The main contents of the Buddha Cave are the main Buddha statue, and then the clothing and sitting posture are studied.

Among them, the Flying Buddha is special, and the process of how the artistic characteristics of the Flying evolve into the evolution of grotto culture in China is more significant. This paper studies how we can understand the historical

development of Longmen Grottoes and how to refine the Flying art in the grottoes and the local culture contained in it. It also explores the evolution process of art transmitted from ancient India to China, appreciating the Flying in different periods and the evolution process and innovative content of art styles in different periods, which plays an important role in the localization development process of Buddhist art and culture, as well as the study of artistic changes and opportunities for communication and integration under different cultures.

The culture and art forms of the grottoes are lacking in current development, especially for the promotion of local cultural propaganda, and art research is an important direction of decision-making. As one of the cultural characteristics of Longmen Grottoes, Flying have the Mogao Grottoes of Dunhuang with obvious style, but the exploration of the Flying art in Longmen Grottoes and the extraction of the art image are still in the initial stage. By referring to the existing excellent research cases, we can learn that in the research direction of the cave niche, the early Buddhist statues were mostly used. Compared with the Flying plastic art, the research has not been deeply studied. If this research becomes the research object, it will first promote the artistic image of Longmen Grottoes and provide a new direction of development for the future form refining.

Buddhist statue art originated in India. With the rise of Buddhism in India, Buddhist statue art has changed from worship without Buddha image to worship with Buddha image, and tends to be more regional, standardized and national. The Buddhist sculpture art spread from ancient India to all countries in the world, and integrated with the cultural atmosphere of each country. From the early symbol to the present realistic stage, this change made the Buddhist sculpture art develop, achieve the purpose of the doctrine and ideology, and form today's sculpture, painting and other art forms. For example, the inscriptions carved on the cliff walls and stone columns opened the way for Indian Buddhist sculpture art, which was the spiritual

support for carrying forward the Buddha Dharma, contained the aesthetic style and religious emotion of the artists at that time, and also reflected the political and social development of the country at that time.

Firstly, the characteristics of the special types of cave niches are understood. Most of the flying Buddha statues are around the lotus flower on the top of the cave, and a few are carved above the cave door. Most of the models are in a flying state, with a slightly curved body, a flying bun, a necklace decoration, a bare shirt, a long skirt with sleeves and legs, and a shawl that is braided into a big circle behind the back, with its ends flowing backward under the armpit or around the arm.

The origin and development of the art of Flying are firstly investigated and understood. Flying are the incarnations of two small gods in ancient Indian mythology, Kanda and Chunnaro. It was spread to China from its birthplace in India, and through the blend of ancient Indian culture and Chinese multi-ethnic culture, the rugged body in India has been transformed into light and dexterous flying image with Central Plains characteristics. The art style of flying shapes also gradually has the characteristics of Chinese culture. In the early period, the Flying were also deeply influenced by India, with the shape of the Western Flying, with round facial features and awkward dynamic features. Later, the Flying of the Western Flying blended with the Central Plains Flying. Wearing the Tao crown, the face shape and body proportion gradually became longer and the Central Plains Flying with handsome features showed the Flying of the Central Plains, and finally gradually became the Flying with Chinese cultural characteristics.

The art of Flying was formed when Buddhism was introduced into China in the Eastern Han Dynasty. As a carrier of it, the grottoes were also introduced into the Central Plains, along with the Flying around the Buddhas. The Wei, Jin, Southern and Northern Dynasties was an era of long-term feudal division and constant wars. In the background of ideological and cultural hybridification, people's thoughts were

influenced by foreign cultures due to the introduction of Buddhism. Buddhism became people's belief at this time, and they seemed to go to the paradise, so it also indicated that this was an era in which they were most comfortable in spirit. The emperor compared people to "Buddha", which gave the Buddha a dual personality. The world regarded the emperor as a "living Buddha", a saint who could save himself from fire and water. The ruler used the majesty of the Buddha body to look down on the world, and even the monks who never knelt down to the emperor regarded him as "living Buddha". The concept of combining human and Buddha was a major change in the art of the Buddha, and also the reason why "Flying" became more and more believed by people later, and the shape became secularized.

In 439 AD, the long period of war in the north and the migration to the south brought about the great integration of ethnic groups in the ancient history of China. The population flow not only absorbed people from different ethnic groups, but also encouraged them to communicate with each other. The flying style of Longmen Grotts in the Northern Wei Dynasty shows the process of the Xianbei people gradually becoming Sinicized and communicating with the Central Plains. According to historical records, after the founding of Pingcheng by Tuoba family, the number of migrants reached more than one million in about 50 years. At this time, Tuoba family needed a perfect system to consolidate its political power, so they relied on the extensive and profound culture of the Central Plains to fill the gap of their own national culture. When Emperor Wencheng ascended the throne, he destroyed the imperial clan due to the instability of the regime, and gradually formed a new political force to rectify the political order, from the reduction of officials, to the political system, and to the criminal regulations, with no exceptions. During the reign of Emperor Taiwu, a large-scale campaign was carried out to exterminate the Buddha, but it was carried out only formally, not fundamentally. Therefore, when Emperor Wencheng announced the lifting of the ban on Buddhism, Buddhism returned again. The revival of Buddhism brought great help to unify the society and rule the people.

The rapid development of Buddhism not only gave people spiritual sustenance, but more importantly, under the background of ideological and cultural integration, it was introduced to the Central Plains and became a part of Chinese culture. The development of Buddhism in China is not a simple imitation, but sublimation and re-creation on the basis of the original, which also shows the evolution of the "flying sky" shape image in the Northern Wei Dynasty. It can be seen that the influx of early population migration, a large number of skilled craftsmen, and the acceptance and integration of various ethnic groups became the root of promoting the development of grottoes, and also the factors for the rapid formation of Zhongyuan style Flying.

In the form of early Flying art, early "Flying" also have Indian art style. In the body language of "Flying", it not only has foreign style, but also contains national characteristics.

1.1 Facial expression and body shape

The appearance and style of Flying are mainly based on the origin of Indian Buddhism, with strong Western and Indian characteristics. The white round light is around the back of the head, and the face shape is fat and round. The nose and eyes are stained with white powder to make the face shape more three-dimensional. Although the expression looks stiff, it is still simple and lovely. The body is like that of a child. The body is short, strong and bare-chested, and the bare feet fly beside the Buddha statue. The long skirt wrapped around the waist shows the legs to be strong and powerful, which has a special momentum. In the early days, the dynamics of the Flying were mostly V-shaped, with the overall image having the characteristics of thick, heavy and thick.

Step 2: Props

The use of props enriched the expression forms of Flying. In the early days, Flying held offerings, scattered flowers, and held supports with both hands in awkward movements, respectively playing flute, sheng, small waist drum, zheng, pan

flute, Ruan Xian (long-neck lute), brass cymbals, qing and other Musical Instruments, presenting a joyful scene, reflecting that the image of Flying was introduced into China from India and integrated with Chinese culture. There are flying characters using Chinese characteristic Musical Instruments. They give the impression of flying with heavy loads, appearing in the cave chisels, cave ceilings, niches, Windows and behind the main Buddha statue.

Based on the Northern Wei period in Luoyang Longmen Grottoes flying form as the main clue. Through the origin, evolution and creation of the "Flying", we extract its modeling features and the visual elements of the grottoes, and study their application in the modeling of the Flying. Starting from the body shape, position and clothing of the Flying, we can better understand the cultural characteristics, social life and aesthetic concepts of the people in the period behind the Flying. The Flying representing Longmen Grottoes in the Northern Wei Dynasty were selected for research to clarify the main research contents of this paper: the source of Flying -- ancient India, the changes of Flying after its introduction into China, the evolution characteristics of Flying style, the regional cultural factors reflected behind Flying, and the summary of the creation of Flying products. Through a series of logic and integration, to deeply excavate the flying elements in the grottoes, the design of the Northern Wei Longmen grottoes flying astronomical creation products. Based on the analysis of the cultural and creative products of the other three grottoes in China, this paper studies the deficiencies of the existing cultural and creative products in Longmen Grottoes, and summarizes the elements of the flying sky image in Longmen Grottoes, applying the elements into the cultural and creative products and making innovations. Using a combination of theory and practice to research and promote the design of animation.

2 Purpose of the Research

2.1 To review the evolution of flying deity art throughout history and analyze its visual characteristics and cultural significance.

2.2 Researching the correlation and possibilities between animation creation and traditional art.

2.3 Creating an animation of the flying deities in Longmen Grottoes.

3 Research Questions

3.1 What are the cultural connotations embedded in the flying deity imagery in traditional art?

3.2 What are the relationships and possibilities between animation creation and traditional art?

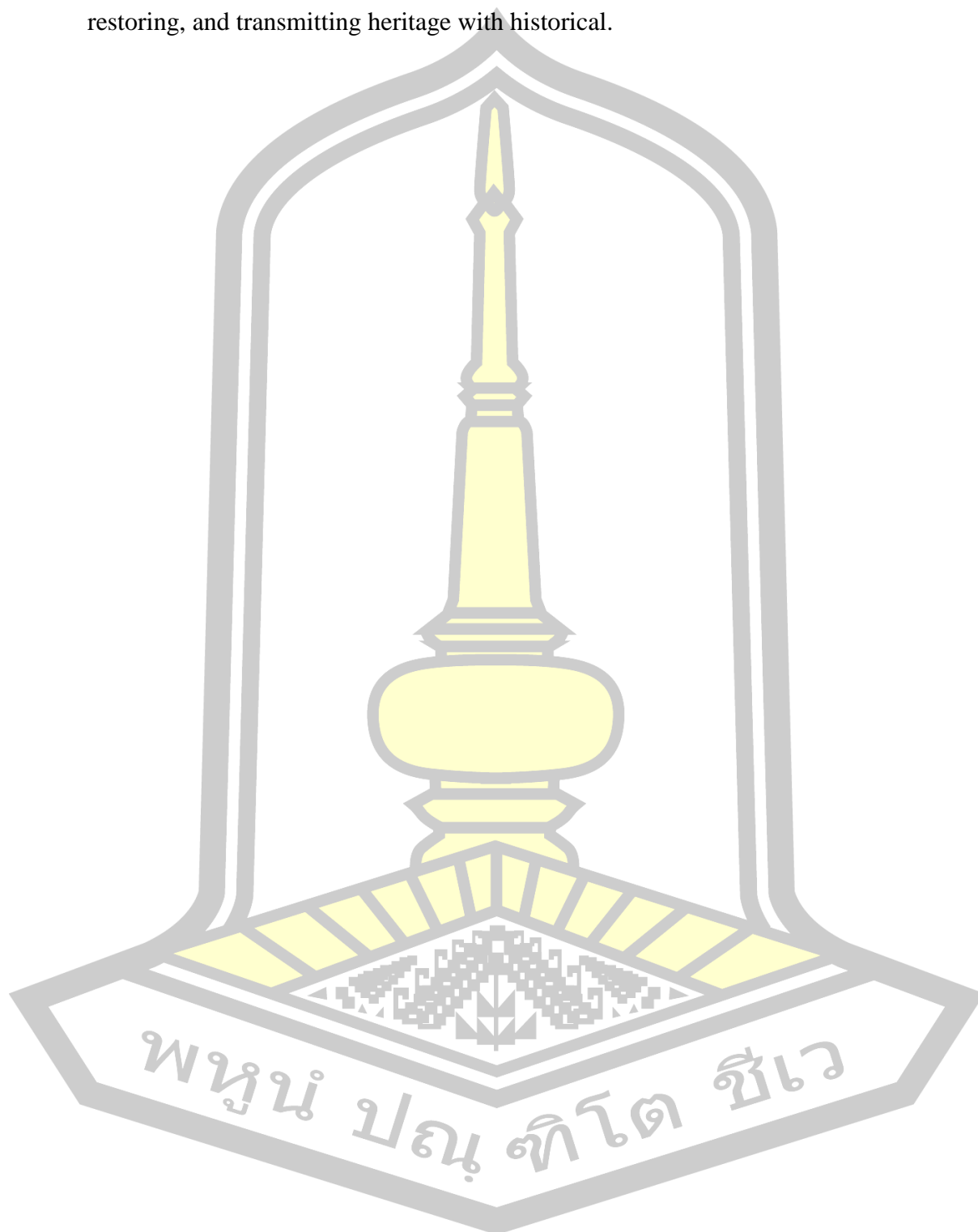
3.3 How can traditional art elements, especially the flying deity patterns from the Longmen Grottoes, be effectively incorporated into animation creation?

4 Definition of Terms

Flying art: Flying deity art is often associated with religious beliefs such as Buddhism and Taoism, expressing worship and reverence for divine powers. In artistic works, flying deity images often have graceful postures, showcasing a spiritual pursuit of freedom and transcending the earthly realm. These images are often presented with elaborate decorations and vibrant colors, giving a sense of mystery and fascination. Flying deity art is not only an important element in artistic creation but also a symbol of cultural heritage and spiritual pursuit.

Animation creation: Animation creation refers to the art form that utilizes a series of consecutive still images to create dynamic effects through frame-by-frame playback. It involves various terms and techniques, including storyboarding, character design, scenes, keyframes, in-between animation, and more.

Cultural heritage preservation: Refers to the act and practice of protecting, restoring, and transmitting heritage with historical.



5 Scope of Research

5.1 Longmen Grottoes, Luoyang City, to study the visual elements of Flying art in different periods, analyze the integration of Buddhist art in different cultures, extract the existing images, and carry out visual processing.

5.2 Time Period of Research: The researcher classified it into two periods as below: The visual presentation of the flying art of Buddha in the Tang Dynasty is studied.

5.3 Unit of analysis in research : By comparing the objects of ancient India, Buddhism, cave sculpture art and so on, the Flying' styles in different periods are analyzed to lay a solid foundation for future research. By analyzing the design cases of flying celestial creation products and collating and collecting data, the theory is strengthened to provide value and basis for the subsequent research on the flying celestial creation products of Longmen Grottoes. This study uses a qualitative approach to study the relationship

6 Research Methodology

This research uses qualitative methods and Research on the Acceptance Survey of Creating the Flying Art Patterns of Longmen Grottoes as 2D Animation. The detail of research method is:

6.1 Population and Sample

6.1.1 Cultural research in the scenic area

In the investigation of Longmen Grottoes, first of all, it will focus on the direction of the investigation, local staff and tourists. Based on their understanding, the staff will screen the way of people coming to the scenic spot, which can be carried out in the place of tourists. Under the guidance of the guide, the guide will have a more comprehensive understanding of the culture of the scenic spot. The explanation can guide people to have a purposeful and comprehensive understanding of the cultural situation in the scenic area.

6.1.2 Domestic and international tourist groups

For these people, most of them belong to the reputation of the scenic spot. Through their own travel in the scenic spot, they have no in-depth understanding of the culture of the scenic spot, so they need to understand more people to explain. Therefore, by interviewing these people, we can predict the tourists' complete feelings about the whole scenic area, arrival and completion.

All of this can be gleaned from the content to be investigated during viewing and final harvest.

6.1.3 Research and Development Section

This is a group of experts, professors, college and secondary school lecturers, experts from national organs, from the research methods, with professional qualifications, to find real sources, new, more valuable technical solutions, methods.

6.2 Instrumentation/Tools

Mainly electronic questionnaires and interview catalogs

6.2.1 Record book for fieldwork, drawing, measurement, etc...

6.2.2 Interview questionnaire

6.2.3 Tools for recording audio and video, namely cameras and camcorders.

6.3 Data Collection

6.3.1 Field work data collection

Based on the Flying stone carvings in the Longmen Grottoes, interviews will be conducted with tourists, staff members, and art professionals to collect their opinions.

6.3.2 File Data Collection:

Collect literature data in Luoyang Library, refer to textbooks, library, electronic library, personal research and modeling research articles on the flying sky image of Longmen Grottoes.

6.4 Data Analysis

The data analysis of this paper mainly involves a preliminary analysis of the content of the questionnaire. The questionnaire included questions about the flying patterns and 2D animations of the Longmen Grottoes in Luoyang.

The questionnaire first learned about the participants' personal information, such as age and gender. This helps to understand the characteristics and background of the participants. The questionnaire explored participants' knowledge of the Flying motifs at the Longmen Grottoes in Luoyang. Questions may relate to the level of awareness of the motif, knowledge of sources and knowledge of relevant information. The questionnaire also involves the degree of understanding of 2D animation, including the degree of awareness of its concept, characteristics and related works. The questionnaire also asked participants how much they recognized the application of the Flying pattern in Luoyang Longmen Grottoes in the creation of 2D animation. Questions may include their thoughts on this blend, its impact on the artistry and appeal of 2D animation, etc. The questionnaire may also have explored participants' attitudes toward the fusion of traditional art with 2D animation. Questions may relate to acceptance of this form of integration, perception of its advantages and challenges, etc.

Through the analysis of these questions, the researchers can have a preliminary understanding of the participants' cognition and attitudes towards the flying patterns and two-dimensional animations in the Longmen Grottoes in Luoyang. These survey contents provide a basis for further research and provide references for practice and creation in related fields.

6.5 Research presentation

6.5.1 Full text of research paper: written through descriptive analysis and presented with pictures and diagrams.

6.5.2 Research Article: Published in an international journal, scope or ISI level.

7 Concept, Theory and Conceptual framework

7.1 Research Concepts

The main concept is the design of cultural image.

Firstly, the origin of "Flying", his artistic dissemination of Buddhism and the formation of "Flying" artistic modeling are introduced. Finally, the language structure of the system is introduced. Research on the development of Buddha statues, deep excavation of the introduction of the Silk Road, analysis and research of different gestures, the combination of facial and costume images. Longmen Grottoes is in the initial stage of cultural products, and there are problems such as insufficient cultural resources mining and weak brand awareness. The origin, evolution, creation, peak period and other aspects of "Flying" are analyzed by referring to a large number of literatures, and the unique modeling features of Flying in the Northern Wei Dynasty are found. The three caves built in Longmen Grottoes of the Northern Wei Dynasty are set as research objects to dig out their historical and cultural background. The symbolic story method is used to extract the prop elements in line with its cultural background, and the associative scene method is used to extract the special symbol marks on the cave shape to create the typical special visual elements belonging to the cave culture of the Northern Wei Dynasty. The two elements are skillfully combined with the flying characteristics of the Northern Wei Dynasty. Extend and deepen the design of a set of flying figures based on the early Chinese typical cultural characteristics of Longmen Grottoes. The special cultural symbol produced by the integration of Chinese and foreign cultures contains the cultural background of the Han Dynasty in the Northern Wei Dynasty, the religious background of the people and the special visual elements of the flying sky. It provides people with not only simple commodity value but also a collection value with strong cultural attributes.

7.2 Research conceptual framework

In this research framework, the main object of study is the image of Flying. Through the origin, evolution, creation and other aspects of "Flying", the modeling

features and the visual elements of grottoes are extracted, and the application of both in the modeling of Flying is studied. Starting from the body shape, position and clothing of the Flying, we can better understand the cultural characteristics, social life and aesthetic concepts of the people in the period behind the Flying. The Flying representing Longmen Grottoes in Northern Wei Dynasty were selected for research.

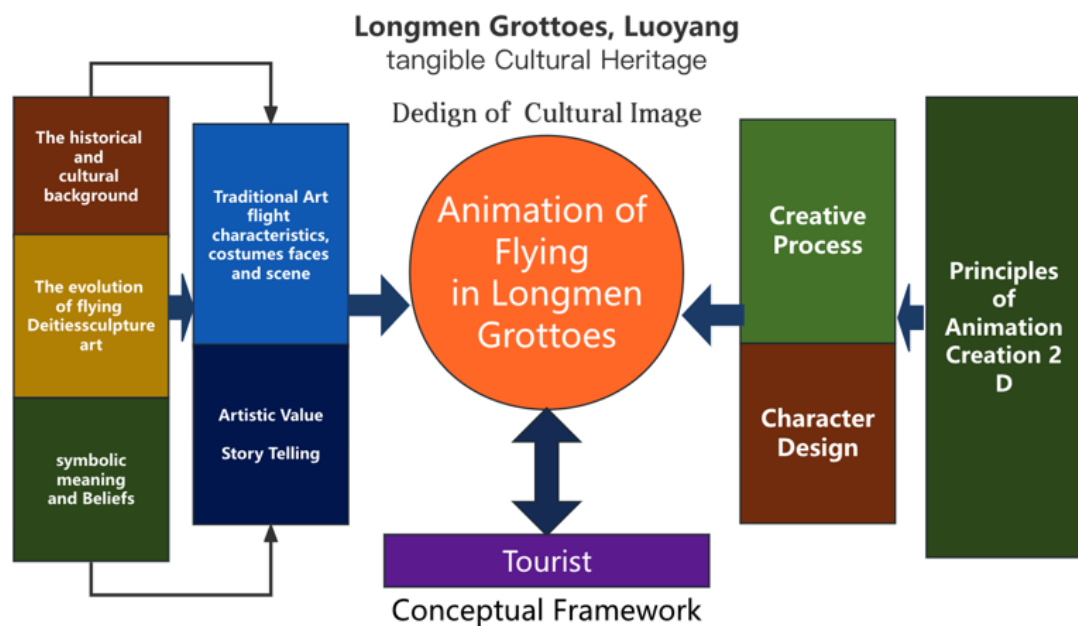


Figure 1 Conceptual framework

8 Research plan

The research plan for 1 year is as follows:

Step 1: To Collect field working data and documentary data [months 1-4].

+ Document:

- Documentation is published
- Scientific research articles
- Thesis, dissertation, seminar
- Map, pictures, and other related data

+ At research site:

- Interview, take notes, recordings
- Observe, take pictures, measure, draw

Step 2: Synthesize and Organize Data follow with any Chapter [Months 5-6].

+ Data division

- Closely related
- Related ingredients in content
- Additional data

+ Data processing, synthesis

- Manage groups of data
- Put the data in the report
- Data control

Step 3: To write by descriptive analysis writing and write a research article for publication [Months 7-9].

Step 4: Review and recheck the complete research draft and repeat fieldwork for adding the information that may be inaccurate [Months 10-11].

Step 5: Submit a complete research paper for thesis proposal oral examination [Month 12].

9 Benefits of Research

9.1 By examining the evolution of flying deity art, we can gain deeper insights into the spiritual essence of Chinese culture and enhance the understanding of traditional culture.

9.2 Analyzing the visual features of flying deity art can help extract the aesthetic value of Chinese traditional art and provide inspiration for contemporary artistic creation.

9.3 Exploring the connections between animation and traditional art can open up new avenues for expressing traditional culture creatively in modern contexts.

9.4 Creating flying deity animations based on the Longmen Grottoes can arouse public interest in traditional culture and expand the reach of cultural communication.

Chapter II

Literature Review

Luoyang Longmen Grottoes is one of the famous Buddhist grotto art sites in China, located in Luoyang City, Henan Province. It was first built in the Northern Wei Dynasty and has experienced the prosperity and decline of many dynasties. There are more than a thousand grottoes in total, and a large number of Buddhist statues, murals, reliefs and other art treasures are preserved.

The construction history of the Longmen Grottoes in Luoyang can be traced back to the beginning of the fifth century AD, when the emperor of the Northern Wei Dynasty ordered the construction of the grottoes in order to express his respect for Buddhism. Over time, the Longmen Grottoes in Luoyang gradually expanded and became a large-scale Buddhist art center. During the Sui and Tang Dynasties, the Longmen Grottoes in Luoyang reached their peak, and the number and scale of the grottoes reached their peak.



Figure 2 Fengxian Temple of Longmen Grottoes

Source: <https://www.lmsk.org.cn/home/vr.html>

The artistic styles of the Longmen Grottoes in Luoyang are rich and diverse, combining the characteristics of the Central Plains and Western Regions culture. The most striking thing in the grottoes is the Flying pattern. The flying sky pattern is a

common artistic element in the Longmen Grottoes in Luoyang. It is mainly characterized by flying human figures, showing graceful posture and dynamic sense. The Flying pattern is exquisite in shape and elegant in posture, giving people a light and otherworldly feeling.

The Flying pattern has profound symbolic significance in Buddhist art. It is regarded as an existence beyond the world, representing people's yearning for liberation and sublimation. The flying sky pattern is also a concrete expression of the supernatural power in Buddhism, which symbolizes the transcendence of wisdom and ability. In Buddhist teachings, Feitian is an existence that transcends material boundaries, representing the realm of transcending the cycle of life and death and ascending to the realm of Buddhism.

Flying motifs are widely used in traditional arts. Apart from the Longmen Grottoes in Luoyang, Flying motifs also appear in other Buddhist grottoes, temples and artworks. It is often used as an important element in murals, paintings, sculptures and crafts to express aesthetic emotions, convey Buddhist teachings and demonstrate artistic skills.

The origin of the Longmen Grottoes in Luoyang can be traced back to the beginning of the fifth century AD, when the emperor of the Northern Wei Dynasty ordered the construction of the Longmen Grottoes in Luoyang in order to express his respect for Buddhism. At first, the grottoes were mainly used for Buddhist monks' practice and worship activities, and later gradually developed into a religious and artistic center. Over time, the Longmen Grottoes in Luoyang have been continuously expanded and decorated, forming a series of exquisite Buddhist works of art.

The artistic style of the Longmen Grottoes in Luoyang is influenced by the culture of the Central Plains and the Western Regions, showing a variety of styles. In the Longmen Grottoes in Luoyang, flying patterns are a common and unique form of artistic expression. Flying usually depict figures in ornate costumes who soar through

the air in a graceful manner, sometimes holding musical instruments or ritual objects. The patterns have smooth lines and fine details, giving them an otherworldly feel.

The Flying pattern has a profound symbolic meaning in Buddhism. First of all, the flying sky pattern represents the realm beyond the world, symbolizing that practitioners can transcend the pain and bondage in the world and realize spiritual freedom through practice and enlightenment. Secondly, the flying sky pattern also symbolizes the transcendence of wisdom and ability. In Buddhism, Feitian is considered to be a being with supernatural powers. They can travel freely in various worlds and spaces, showing extraordinary abilities and wisdom.

Feitian patterns are widely used in traditional arts. In addition to appearing in the Longmen Grottoes in Luoyang, Flying motifs also appear in other Buddhist grottoes, temples and artworks. In murals and paintings, Flying patterns are often used as a decorative element to add beauty to the artwork and express the artist's emotion. In sculptures and handicrafts, the Flying pattern can be displayed in a three-dimensional form, making it more vivid and three-dimensional.

Generally speaking, the Flying patterns in the Longmen Grottoes in Luoyang are an important part of Chinese Buddhist art, with a rich cultural background and profound symbolic meaning. It showcases the creativity and skills of ancient Chinese artists, and conveys the important concepts in Buddhist teachings about pursuing liberation and transcending the mundane world.

The unique feature of the flying sky pattern is that it combines human figures and flying postures, combines human beings with supernatural powers, and conveys a realm beyond the world. This kind of pattern can be expressed in a variety of forms, which can be a single flying image or a group of multiple flying patterns, presenting a vivid and rhythmic picture.

In the Longmen Grottoes in Luoyang, Flying patterns are widely used in art forms such as murals, paintings and sculptures. The Flying patterns in murals and paintings usually appear in the depiction of Buddhist stories to enrich the storyline

and highlight the theme. The Flying pattern in the sculpture is displayed in a three-dimensional form, which has a more realistic effect. Whether in murals, paintings or sculptures, the shapes and gestures of the Flying reflect the artist's unique creative style and artistic pursuit.

The application of Flying motifs in traditional art is not limited to the Longmen Grottoes in Luoyang, it also appears in Buddhist temples and artworks elsewhere. These artworks display Flying in different forms and styles, but collectively convey the quest to transcend the world and seek spiritual freedom. As an important element of Buddhist art, the Flying pattern not only embodies the unique style and aesthetic value of ancient Chinese art, but also inherits the important ideas of wisdom, liberation and sublimation in Buddhist teachings.

Through the exploration of the cultural background of the Longmen Grottoes in Luoyang and the flying patterns, we can better understand the integration and development of ancient Chinese art and Buddhist culture. This is of great significance for us to deeply understand the essence of traditional Chinese art, inherit and develop traditional culture. At the same time, it also provides valuable artistic materials and creative inspiration for the application of flying patterns in the creation of two-dimensional animation.

1 The historical and cultural background of the Longmen Grottoes in Luoyang

1.1 The origin and construction history of Longmen Grottoes in Luoyang

The Longmen Grottoes in Luoyang are one of the famous Buddhist grottoes in China, whose origin can be traced back to the Northern Wei Dynasty in the early fifth century. After the Northern Wei regime was established in Luoyang, in order to promote Buddhist teachings and demonstrate the majesty of imperial power, grottoes began to be built in Longmen Mountain. The initial construction works were mainly concentrated in the Dongshan area, and later gradually expanded to the Xishan and Zhongshan areas.

The construction process of the Longmen Grottoes in Luoyang can be divided into several stages. During the Northern Wei Dynasty, due to the support of the government and the prosperity of Buddhism, the construction of grottoes developed rapidly. According to historical records, Emperor Xiaowen of the Northern Wei Dynasty personally ordered the construction of the Longmen Grottoes and sent a large number of craftsmen and artists to participate in it.

Over time, the construction of the Longmen Grottoes in Luoyang gradually expanded to the Tang and Northern Song dynasties. The Tang Dynasty was the golden age of grotto construction, and many large-scale and artistically exquisite grottoes were built during this period. The grotto art of the Tang Dynasty reached its peak in terms of theme content, modeling style and skill level, and became an important milestone in the history of ancient Chinese art.

During the construction of the Longmen Grottoes in Luoyang, not only a large amount of manpower and material resources were required, but also the geological environment and engineering technology had to be considered. Due to the solid rock texture of Longmen Mountain, artists need to use a variety of tools and techniques to carve exquisite carvings. Using tools such as chisels, hammers, and picks, as well as materials such as graphite and pigments, they carved and painted repeatedly to create delicate and vivid grotto art works.

The construction process of the Longmen Grottoes in Luoyang was also influenced by the society, culture and religion at that time. The spread and development of Buddhism in China provided an important impetus for the construction of grottoes. Support from the government and temples, as well as donations from wealthy businessmen and believers, all provided economic and material guarantees for the construction of the grottoes. At the same time, the works of art in the grottoes also carried Buddhist teachings and religious beliefs, showing the religious culture and spiritual outlook of the society at that time.

During the construction of the Longmen Grottoes in Luoyang, artists paid attention to maintaining accurate observation and representation of nature. They took the shape of the mountain, the texture of the rock formation, and the light in the cave into consideration in the design, so that the grotto art works are integrated with the natural environment. At the same time, artists also paid attention to expressing Buddhist teachings and religious beliefs, and integrated Buddhist stories, myths and legends, and the concept of practice into grotto art through carving, painting, and decoration.

The construction of the Longmen Grottoes in Luoyang took hundreds of years and experienced political, social and religious changes. With the changes of regimes and religious atmosphere in the past dynasties, the construction activities of the grottoes have also fluctuated. However, Luoyang Longmen Grottoes has always maintained its unique artistic style and cultural connotation, and has become an outstanding representative of Buddhist grotto art.

1.2 The artistic style and characteristics of Longmen Grottoes in Luoyang

The Longmen Grottoes in Luoyang are famous all over the world for their unique artistic style and majestic artistic expression. Its artistic style has been influenced by many factors, including Buddhist beliefs, political background, and regional culture. The following will introduce the main artistic styles and characteristics of the Longmen Grottoes in Luoyang.

First of all, the artistic styles of the Longmen Grottoes in Luoyang are rich and varied, incorporating artistic elements from multiple periods and regions. The early grotto works retained the style of Buddhist grotto art in the Northern Wei Dynasty, paying attention to the conciseness and simplification of images, showing a solemn and solemn atmosphere. With the passage of time, the grotto works of the Sui and Tang Dynasties showed more delicate carving techniques and exquisite painting skills, and the artistic style was more free and lively. The works of the Northern Qi

Dynasty and Northern Zhou Dynasty show a unique style of modeling, focusing on the smoothness of lines and the deformation of images.



Figure 3 Flying in the Tang Dynasty

Source: https://www.lmsk.org.cn/home/collection_detail.html?id=41

Secondly, the artistic expressions of Longmen Grottoes in Luoyang are rich and varied. The sculptures in the grottoes are mainly Buddha statues, including sitting, standing and reclining statues. These Buddha statues are lifelike, with solemn expressions and graceful postures, which have high artistic value and artistic appreciation. In addition, the murals in the grottoes are also unique. The murals cover Buddhist stories, biographies and religious scenes. The painting techniques are exquisite and the colors are bright, giving people a beautiful enjoyment and religious experience.

Thirdly, the artistic characteristics of the Longmen Grottoes in Luoyang are also reflected in their fine carving skills and rich decorative forms. The carvings in the grottoes are meticulously carved, depicting rich details and decorations, demonstrating the superb carving skills of the artists. In addition, the decoration of the grottoes also adopts a variety of forms, such as stone carvings, relief sculptures, colored paintings, etc., creating a unique artistic atmosphere and ornamental value.

2 The evolution of flying Deities sculpture art

The Flying patterns in the Longmen Grottoes in Luoyang have attracted much attention for their unique features and rich symbolic meanings. The Flying usually depict mysterious winged figures, dressed in ornate costumes, with a light figure ready to fly. These patterns have the following characteristics and symbolic meanings:

Lightness and dynamic shape: the Flying pattern is known for its elegant posture and dynamic image. The flying figures in the pattern are expressed in a curved and streamlined posture, embodying the characteristics of lightness, agility and elegance. This kind of shape gives people a feeling of flying, and makes the viewer have a feeling of transcending the world and material constraints.

Mystical and Supernatural Symbolism: The Flying motif is considered a divine presence and has supernatural symbolism. Flying figures are believed to be incarnations of celestial gods, celestial beings, or Buddhist bodhisattvas, representing beings and divine powers beyond mortals. They exemplify the idea of transcendence, spirituality and detachment from the mundane.

Symbolizes good wishes and blessings: the flying sky pattern also carries people's expectations for good wishes and blessings. The image of flying characters is charming and harmonious, representing kindness, joy and happiness. Artwork and decorations associated with the Flying are believed to bring good luck and blessings, and are often featured in religious ceremonies and celebrations.

Changes and evolution of artistic style: Over time, the artistic style of Feitian patterns in Longmen Grottoes in Luoyang has also undergone certain changes and evolutions. The early Flying patterns were more concise and geometric, emphasizing smooth lines and decorative patterns. With the passage of time, the Flying pattern has gradually become more refined and delicate, focusing on the shape and expression of the characters, reflecting the development and changes of the artistic style.

As an important artistic element of the Longmen Grottoes in Luoyang, the Flying pattern not only plays a role in artistic creation

It not only embodies the unique beauty and artistic value, but also carries rich cultural and religious significance. They show ancient artists' pursuit of beauty and yearning for transcendence. The in-depth study of the characteristics and symbolic meaning of the Feitian patterns will help us better understand the artistic value and cultural heritage importance of the Longmen Grottoes in Luoyang.

As an important artistic element in the Longmen Grottoes in Luoyang, the Flying pattern has unique characteristics and rich symbolic meanings. The characteristics and symbolic meaning of the Feitian pattern will be introduced in detail below.

2.1 The image characteristics and modeling style of the Feitian pattern

The Flying motif is often shown in human form, with lightness, grace and free form. Its modeling features mainly include the following aspects:

The Feitian pattern has attracted much attention for its unique image characteristics and modeling style. The following is a description of some main image features and modeling styles of the Feitian pattern:

Flying posture: the flying pattern usually presents the posture of soaring in the air, showing the dynamic and light temperament of flying with the curved posture and stretched wings. They could be gods, angels or nymphs in flight, with vivid and graceful forms.

Changeable postures: The flying patterns have various postures, some present an upright posture, some present a dive or hover posture, and some present a jumping or leaping dynamic. These different poses express the flexibility and movement of the Flying pattern.

Fluency of lines: The lines of the Flying pattern are smooth and elegant, forming a sense of flow and rhythm. The fluency of the lines makes the Flying look light and dynamic, which is in harmony with the overall artistic style of the Longmen Grottoes in Luoyang.

Decorative elements: Flying patterns often have some decorative elements, such as patterns, decorative ornaments or ornate clothing. These decorative elements add to the opulence and artistry of the Flying motif.

Mysterious and supernatural image: The image of the Flying pattern often has a mysterious and supernatural atmosphere. They show the spiritual pursuit and supernatural power beyond the world by expressing the flying posture and elegant image.

Symmetry and Balance: Flying often have a symmetrical and balanced composition. The symmetrical pose and arrangement of elements create an aesthetic of balance and harmony.

The image characteristics and modeling style of the Feitian pattern embody the characteristics of flying, elegance, dynamics, smooth lines, decorative elements, mystery, symmetry and balance. These characteristics make the Flying a unique artistic element in the Longmen Grottoes in Luoyang, and also provide rich visual expression and creative inspiration for the creation of two-dimensional animation.



Figure 4 The flying patterns of different attitudes in Binyang Middle Cave

2.2 The religious and symbolic meaning of the Flying pattern

The Flying pattern has profound religious and symbolic significance in traditional Chinese culture. They are closely connected with religious beliefs such as Buddhism and Taoism, and are widely used in religious ceremonies, temple buildings, and mural painting.

First of all, the Flying pattern has important symbolic meaning in Buddhism. In Buddhism, Feitian is regarded as a supernatural being with divine power and wisdom. The Flying pattern is often depicted as an elegant goddess in gorgeous robes, holding a bouquet or a musical instrument, and stepping on a lotus flower. They symbolize the spirit of seeking liberation and transcending the world, representing wisdom, compassion and beauty.

Secondly, the Flying pattern also has important symbolic meaning in Taoism. In Taoist belief, Feitian is considered to be the existence leading to the fairyland and the world of immortals. They are depicted as lithe, ethereal and free nymphs, representing spirituality, purity and an eclectic attitude towards life. The application of Flying patterns in Taoist architecture and works of art expresses the desire for longevity, self-cultivation and attainment of the transcendent.

In addition, the Flying pattern is also closely related to the auspicious meaning and blessing meaning in traditional Chinese culture. They are often used as decorations, such as brocade, embroidery and jade, to express wishes for happiness, health and auspiciousness. The image of the flying sky pattern is beautiful, mysterious and peaceful, conveying a positive spiritual force, and becoming a symbol of people's yearning and pursuit for a better future.

To sum up, as an important element in traditional Chinese art, Flying patterns have rich and far-reaching connotations in terms of religious and symbolic meanings. Not only do they represent the quest for transcendence and spirituality, but they also symbolize wisdom, compassion, beauty, purity and auspiciousness. Through in-depth research and understanding of the Flying pattern, we can better appreciate its cultural

value and apply it in contemporary artistic creation and cultural inheritance to realize the inheritance and innovation of traditional culture. As a treasure of traditional Chinese art, the Feitian pattern is closely connected with the Longmen Grottoes in Luoyang, carrying rich historical and cultural connotations. By delving deeper into its religious and symbolic meaning, we can better understand its application and meaning in art.

3 The application and significance of Flying patterns in traditional art

3.1 The manifestation of Flying patterns in murals and paintings

The Flying pattern is an important artistic element in murals and paintings. Through the artist's creation and expression techniques, it shows a unique shape and style. The following are common manifestations of Flying patterns in murals and paintings:

Feitian patterns in murals: Feitian images: Feitian patterns in murals usually appear in human form, with lightness, elegance and mystery. They are often depicted as having angelic beauty, with wings and a flying stance, giving them an otherworldly feel.

Gesture expression: The postures of flying patterns can be diversified, including flying, hovering, jumping, etc. Artists use painting skills and composition techniques to show the dynamics and vitality of their soaring in the air.

Background and environment: Feitian patterns are often depicted in the background of murals, echoing and blending with other elements and scenes. They can appear against backgrounds such as sky, clouds, mountains or palaces, creating a grand and magnificent visual effect.

Flying in painting:

Picture composition: In paintings, the composition of the Flying pattern can be an independent theme, or it can be a part of integration with other elements. Artists

can demonstrate the importance and prominence of the Flying motif through proper placement and proportion.

Expression techniques: Artists can use painting techniques to express the characteristics of Flying patterns. They can use streamlined lines to outline the outline of the Flying pattern, use light and dark and color contrast to highlight its image, and use detailed description to show the beauty and delicacy of the Flying pattern.

Creation of artistic conception: Through painting techniques and creative techniques, artists can create a mysterious, grand or otherworldly artistic conception in paintings, so that viewers can have an emotional resonance and thinking when appreciating the works.

The Flying patterns are expressed in various forms in murals and paintings. The artist integrates them into his works through creative and expressive techniques, conveying the unique beauty and profound meaning of the works. Here are some common drawing techniques and expressions:

Line performance: Artists can use lines to outline the outline and details of the Flying pattern, and express the lightness and dynamics of the Flying pattern through the twists and turns of the lines.

Use of color: Artists can use rich colors to express the beauty and emotion of the Flying pattern. For example, use bright, vibrant colors to accentuate the mystical and otherworldly qualities of the Flying pattern, or use muted tones to express its gentle and elegant side.

Light and shadow effects: By using changes in light and shade and shadows, the artist can create the three-dimensionality and light and shadow effects of the Flying pattern, enhancing the three-dimensionality and realism of the image.

Background environment: Feitian patterns are often placed in a background with allegorical and symbolic meanings. Artists can paint backgrounds such as sky, clouds, stars or palaces to echo the Flying, creating a grand and mysterious atmosphere.

Detail depiction: Artists can express the delicacy and delicacy of the Flying pattern by painting fine textures and details. Details such as wing feathers and clothing patterns are drawn to make the flying pattern more vivid and specific.

Through these forms of expression, the Flying pattern carries religious, cultural and aesthetic meanings in the painting, and at the same time, it also shows the artist's unique understanding and artistic technique of the creation and expression of the Flying pattern. These works not only show the beauty and mystery of the Flying pattern, but also entrust people's yearning and pursuit for freedom, pursuit and transcendence.

3.2 Application of Flying patterns in sculptures and handicrafts

The application of Flying patterns in sculptures and handicrafts is rich and varied, which not only shows the beauty of Flying patterns, but also reflects the exquisite skills of handicrafts. The following are some common forms of application of Flying patterns in sculpture and crafts:

1) Stone carving: Feitian patterns are often carved on stone, such as on steles, pillars or statues. The engraving technicians cleverly used the knife technique and engraving skills to vividly depict the image of the flying sky pattern, showing the majesty and fineness of the stone carving works.

2) Wood carving: Wood is a common material for making sculptures and handicrafts, and flying patterns can be expressed through wood carving. Artists use engraving knives to engrave the image of the flying sky pattern on the wood, and present unique wood carving works through the processing of texture, shape and details.



Figure 5 Woodcarving flying woodcut crafts

Source:

https://cbu01.alicdn.com/img/ibank/2020/699/450/20487054996_384667992.jpg

3) Bronze ware: In ancient times, copper ware was one of the important materials for making handicrafts. Feitian patterns are often cast and engraved on bronze wares, such as bronze wares and bronze mirrors. The production of bronze wares requires complex casting and carving techniques, and the Flying pattern is delicately engraved on the surface of the bronze wares, showing its elegant and elegant qualities.

พหุ ประถมศึกษา



Figure 6 Copper flying crafts

Source: <http://www.dhyangguan.com/content/?413.html>

4) Porcelain: Feitian patterns often appear on porcelain, such as porcelain bowls and porcelain vases. When making porcelain, the Flying pattern can be expressed through techniques such as painting, engraving or applique. The texture and luster of the porcelain is complemented by the details of the Flying pattern, presenting exquisite porcelain craftsmanship.

พหุ ประยุกต์ ชีว



Figure 7 Porcelain flying crafts

Source:

https://img.alicdn.com/imgextra/i7/TB1bz8Ws7CWBuNjy0FaYXFUIXXa_M2.SS2

5) Brocade and embroidery: Feitian patterns can also be expressed on fabrics through brocade and embroidery. Artists use yarn and needles to weave and embroider the image of Flying on the fabric, creating gorgeous and delicate brocade and embroidery works, showing the delicate and artistic charm of Flying.



Figure 8 Embroidered flying sachet crafts

Source: <https://item.jd.com/10075421381083.html>

Through its application in sculptures and handicrafts, Flying patterns not only endow the works with beauty and decoration, but also convey deep cultural and religious significance. They show the unique interpretation and superb skills of artists and craftsmen on the Flying pattern. During the application of the Flying pattern in

sculptures and handicrafts, artists and craftsmen usually pay attention to the following aspects:

1) Pattern selection: The selection of flying patterns is a key step. The artist will choose the Flying pattern that matches the theme and style of the work. They will consider the shape, gesture and symbolic meaning of the pattern to ensure that the pattern is consistent with the overall expression of the work.

2) Creative design: In the process of making sculptures and handicrafts, artists will make creative designs for Flying patterns. They may fine-tune the pattern or add a personal artistic element to make the piece more unique and creative.

3) Carving and shaping techniques: Artists and craftsmen have superb carving and shaping techniques to bring the Flying to life on sculptures and crafts. They may use carving knives, carving knives, engraving machines and other tools to create exquisite patterns and three-dimensional effects through meticulous carving and shaping.

4) Use of color: In the production of handicrafts, the use of color is very important to highlight the beauty and expressiveness of the Flying pattern. The artist will choose suitable colors to decorate the pattern, making it more vivid, vivid and harmonious with the overall tone of the work.

5) Surface treatment: In order to enhance the effect of Flying on sculptures and crafts, the artist may apply surface treatment to the work. For example, through grinding, polishing, glazing, etc., the Flying pattern will be more shining and attractive under the irradiation of light.

Through the application of Flying patterns in sculptures and handicrafts, artists and craftsmen not only demonstrated the unique interpretation of Flying patterns and superb skills, but also inherited the long-standing artistic tradition and cultural value. These works are not just decorations, but also the interpretation and inheritance of history, religion and culture, reflecting people's pursuit of beauty and cherishing of traditional art.

4 The shape and design principles of the flying Apsaras pattern

In the art of Longmen Grottoes, flying patterns are a unique and exquisite form of expression. These patterns carry rich cultural connotations and exquisite craftsmanship, and have important aesthetic and historical value. This chapter will focus on the modeling and design principles of flying apsaras patterns, in order to get a glimpse of the wisdom and artistic concepts behind ancient art.

4.1 The basic structural elements of the flying pattern

With the passage of time, Chinese art works have gradually shown a rich and varied style. Among them, Longmen Grottoes, as an outstanding representative of ancient Chinese grotto art, is well-known for its unique artistic style and unique skills. One of the most striking features is the flying apsaras pattern. As one of the important art forms in Longmen Grottoes, Feitian is one of the precious heritages of ancient Chinese art.

Feitian art occupies an important position in ancient Chinese art. As a unique form that expresses the collision between man and fairyland and integrates traditional Chinese culture and religious beliefs, the flying apsaras pattern has rich and varied structural elements. The basic structural elements of the flying apsaras patterns in Longmen Grottoes mainly include posture, clothing, face and decoration.

First of all, attitude is the most prominent feature in the flying pattern. The images of flying Apsaras in Longmen Grottoes are often presented in the form of flying. Their bodies are usually raised upwards, with swelled feet, as if flying through the air. This gesture not only shows their otherworldly nature, but also expresses the yearning and pursuit of the fairyland by the ancient Chinese.

Secondly, clothing is another important structural element in flying patterns. The images of Feitian in Longmen Grottoes are usually gorgeously dressed and have complicated costumes. They wear flower crowns, skirts, and flat-toed boots. This magnificent costume shows the dignity and solemnity of the image of Feitian.

The face is another important structural element in the Feitian pattern. In the images of Feitian in Longmen Grottoes, their faces are usually handsome and delicate. With a high forehead, clear eyebrows and a smiling face, these features show the holiness and immortality of the image of Feitian.

Finally, decoration is also a structural element that cannot be ignored in the flying apsaras pattern. The flying apsaras in the Longmen Grottoes are often richly decorated, such as ornate necklaces, earrings and bracelets. These decorative objects not only add to the ornateness of the Feitian figures, but also underscore their otherworldly status.

In short, as an important art form in Longmen Grottoes, flying patterns have rich and diverse basic structural elements. The design of posture, clothing, face and decoration shows the nobility, nobility and fairy spirit of Feitian, and highlights the excellence and uniqueness of ancient Chinese art. Through the study of flying patterns, we can better understand the development process of ancient Chinese culture and art, further explore the rich connotation of Longmen Grotto art, and let us deeply understand the brilliant achievements of ancient Chinese art.

4.2 The posture and dynamic performance of the flying pattern

In the mural paintings of the Longmen Grottoes, the art of flying as a unique and beloved subject is almost ubiquitous. These flying patterns attract the audience's attention with their gorgeous flying posture and vivid dynamic performance. This chapter will focus on the posture characteristics of the flying apsaras patterns in the Longmen Grottoes and the artistic techniques of their dynamic expression.

First of all, the posture design of the flying apsaras pattern should have a certain sense of movement and dynamics. The painter strives to give the audience a feeling of flying by expressing the flying posture. In these murals, Feitian often presents the image of flying upwards with all its wings outstretched. The painter makes the whole picture full of movement and vitality through the treatment of body posture. In addition, Feitian's facial expressions are also an important part of the dynamic

performance. Their eyes are usually confident and firm, and the corners of their mouths are slightly raised, revealing a cheerful and free mood. Through such detailed descriptions, the painter successfully created a vivid and dynamic image of the flying apsaras pattern.

Secondly, the dynamic performance of flying patterns is also reflected in the design of clothing and decorations. The flying apsaras in these murals are often dressed in ornate costumes, adorned with glittering gold ornaments. The fluttering pattern on the sleeves not only highlights the flying posture of Feitian, but also brings a sense of elegance to the audience. Feitian holds instruments or flower decorations, and wears radiant necklaces, earrings, bracelets and other accessories, making the whole image more diverse. The design and details of these decorations not only make the flying apsaras more vivid, but also show the cultural features and social background of the time.

In addition, the dynamic performance in the flying pattern is also related to the layout and composition of the picture. The artist skillfully uses perspective and proportion relationship to make Feitian's position in the picture more prominent and eye-catching. They are usually arranged in the upper part of the picture, independent of other patterns, showing a noble and sacred image. The painter also adjusted the relative proportions between Feitian and other characters or backgrounds to highlight the height and majesty of Feitian. These compositional arrangements make the Feitian pattern more layered and dynamic, which complements the unique style of the entire Longmen Grottoes art.

To sum up, the flying apsaras patterns in the Longmen Grottoes show unique artistic features in terms of posture and dynamic performance. Through the posture design of Feitian, the depiction of clothing and decorations, and the layout and composition of the picture, the painter successfully created a vivid image of the Feitian pattern. These patterns are not only a way of expressing the art of Longmen Grottoes, but also an important part of the social culture and aesthetic concepts at that

time. It is of great significance to understand the development of ancient Chinese art and the research and protection of the murals in Longmen Grottoes.

It is hoped that the research in this chapter can further reveal the uniqueness of the flying art in Longmen Grottoes, and provide a valuable reference for scholars and art lovers in related research fields.

4.3 Design Principles of Flying Apsaras Patterns

As an important part of ancient Chinese art and culture, the flying art of Longmen Grottoes has far-reaching influence. As a special artistic element, Feitian has always been loved and sought after by people. This chapter will discuss the design principles of the flying apsaras pattern and its relationship with the flying apsaras art in the Longmen Grottoes.

The design principle of the flying sky pattern is very important, it can affect the overall effect of the work and the information conveyed to the audience. The following are a few design principles that can help us better understand the artistic charm of flying apsaras.

First of all, a successful flying pattern should have a clear theme and expressed intention. During the design process, the artist should clearly figure out what image and information to present. As a symbol of supernatural existence, Feitian is often used to represent positive meanings such as kindness, hope and protection. Therefore, use these themes as a starting point when designing, and convey these meanings through the use of lines, shapes and colors. Only on the premise of a deep understanding of the theme, can the artist truly and intuitively display the mystery and power of Feitian.

Secondly, the design of the flying pattern needs to pay attention to the coordination of proportion and shape. Since Feitian is an extraordinary existence, its image design must give people an artistic sense of beauty and harmony. Especially in the art of flying apsaras in Longmen Grottoes, since most of the works are carved on rocks, designers must coordinate the image of flying apsaras with the natural form of

the grottoes when creating. This means choosing shapes with the balance and order of the overall space in mind. The coordination of proportions can be achieved through the use of composition principles such as diagonal lines and the golden section to ensure that the visual effect of the pattern is more beautiful.

In addition, the use of color in the flying apsaras pattern is also very important. Color is an integral part of artistic expression, and it can impart different emotions and meanings to a work. In the design of flying apsaras, bright and vivid colors are often used to attract the audience's attention and convey the emotions of vitality, hope and joy. At the same time, the use of color also needs to be coordinated with the image of Feitian, so that the whole pattern looks unified and harmonious.

Finally, the design of the flying apsaras pattern also needs to take into account the use and carrier. In modern design, the flying apsaras pattern can be applied to various carriers, such as clothing design, home decoration, artwork creation, etc., so the constraints and characteristics brought by different carriers should be considered. This requires the flexible use of different lines, shapes and colors in the design to adapt to different use environments and style requirements.

As one of the treasures of ancient Chinese art, Feitian art is not only richly expressed in the Longmen Grottoes, but also an integral part of Chinese traditional culture. By discussing the design principles of flying apsaras, we can better understand and appreciate this unique art form. Whether it is made by traditional handicrafts or used in modern design, flying patterns can bring people the enjoyment of beauty and spiritual enlightenment, and become an important sustenance and expression of people's artistic emotions.

5 Color application and aesthetic expression

In art, color is a powerful visual element widely used to express emotion, convey meaning and create aesthetic effect. In the flying art of Longmen Grottoes, the use of color plays an important role. This chapter will discuss the color symbolism and meaning, color matching and emotional expression of the flying apsaras pattern, as well as the aesthetic expression of color in two-dimensional animation.

5.1 Color Symbolism and Meaning of Flying Apsaras Patterns

Longmen Grottoes is a unique and precious cultural heritage of our country, especially famous for its famous flying art. Feitian refers to an image of a god with wings. In the Longmen Grottoes, the Feitian pattern is widely used in murals and reliefs, leaving a deep impression on people. These flying patterns not only have unique artistic charm, but also have special symbols and meanings in color.

In the flying patterns of Longmen Grottoes, the use of color cannot be ignored. Colors not only make patterns more vivid and powerful, but also convey profound cultural connotations through specific color symbols and meanings. In the flying pattern, the common colors mainly include red, yellow, green, blue, etc., and each color carries a specific symbol and meaning.

First of all, red is widely used in flying patterns, which has a strong cultural meaning. Red is an auspicious color in Chinese traditional culture, representing celebration, joy and prosperity. In the Longmen Grottoes, the flying sky pattern is often outlined in red, which makes the whole pattern full of festive and joyful atmosphere. The use of red not only makes the pattern more vivid, but also conforms to the worship and belief of gods in Chinese culture.

Secondly, yellow also occupies an important position in the flying apsaras pattern, which has a unique symbolic meaning. Yellow is the royal color in Chinese culture, representing authority and nobility. In the flying patterns of Longmen Grottoes, yellow is often used to decorate the clothes and wings of Feitian, making the whole pattern exude a solemn and majestic atmosphere. The use of this yellow color

highlights the special status and lofty value of the Longmen Grottoes, and also highlights the authority of Feitian as the image of a god.

In addition, the use of green in the flying pattern highlights its mysterious and supernatural attributes. Green symbolizes life and hope, and has a sense of energy and activity. In the flying patterns of Longmen Grottoes, green is often used to express the sky, grass and plants, making the whole pattern full of vigor and vitality. At the same time, the use of green also increases the supernatural feeling of Feitian, which makes the viewer feel mysterious and psychedelic.

Finally, the use of blue in the flying apsaras emphasizes its otherworldly and sacred position. Blue is the color representing sky and water in Chinese traditional culture, and it has the meaning of purity and nobility. In the flying patterns of Longmen Grottoes, blue is often used to decorate the sky and background, giving the whole pattern a sacred and solemn feeling. The use of blue makes the viewer feel a feeling of being apart from the mundane and transcending the mortal world, and at the same time emphasizes the extraordinary attributes of Feitian as the image of a god.

To sum up, in the flying patterns of Longmen Grottoes, the symbolic meanings of colors are rich and diverse, and through the use of each color, different cultural connotations and values are expressed. Red represents celebration, yellow represents nobility, green represents mystery, and blue represents holiness. These colors not only give the Feitian pattern a more vivid and lively image, but also make the whole pattern contain rich cultural and spiritual connotations. The flying patterns in Longmen Grottoes are not only a form of artistic expression, but also an important part of Chinese traditional culture. Through the study of the color symbolism and meaning of the flying sky pattern, we can have a deeper understanding and appreciation of this ancient and magical art form, and at the same time, we can deepen our knowledge and understanding of traditional Chinese culture.

5.2 Color matching and emotional expression of the flying apsaras pattern

As one of the treasures of ancient Chinese art, the Longmen Grottoes are famous all over the world for their rich and diverse works of art. Among them, the most noteworthy is the flying sky pattern, which represents the worship and pursuit of flying gods in ancient China. In addition to the expressiveness of shape and lines, the color matching of flying patterns is also a very important factor, which can affect people's perception and emotional expression of artworks.

In the flying patterns in the Longmen Grottoes, the color matching often adopts bright and bright colors, such as red, yellow, blue and so on. These colors not only attract people's attention, but also express rich emotions. Red represents enthusiasm and vitality, yellow represents light and wisdom, and blue represents depth and tranquility. Through the collocation of these colors, the flying apsaras pattern in Longmen Grottoes successfully conveys a mysterious, grand and solemn emotion.

The collocation of different colors can also give people different visual effects and emotional experience. For example, the combination of red and yellow often gives people a warm and cheerful feeling, revealing festive and auspicious meanings. The combination of blue and white gives people a fresh and peaceful feeling, and makes people feel the beauty of tranquility and distance. The contrast and collocation of red and blue can not only highlight the enthusiasm and vitality of red, but also balance the calmness and quietness of blue. Such color matching not only provides visual enjoyment, but also can arouse the deep emotional resonance of the viewer.

The color matching of the flying Apsaras pattern is also closely related to the cultural background and symbolic meaning. In traditional Chinese culture, red is often regarded as a symbol of auspiciousness and happiness, so it is widely used in flying patterns. Yellow symbolizes royalty and grandeur, representing dignity and power. Blue is often used to express reverence and yearning for the sky, water and the universe. The use of these colors in the flying patterns of Longmen Grottoes not only shows the unique aesthetic concept of ancient Chinese culture, but also reflects the ancient Chinese people's pursuit of a better life and spiritual sustenance.

All in all, the flying patterns in Longmen Grottoes are famous for their rich and varied color matching and emotional expression. Through vivid and bright colors, the pattern successfully conveys the emotion of mystery, solemnity and grandeur. The collocation of different colors can also give people different visual effects and emotional experiences, triggering the emotional resonance deep in the viewer's heart. In addition, color matching is also closely related to cultural background and symbolic meaning, showing the ancient Chinese people's pursuit of a better life and spiritual sustenance. With its unique color matching and emotional expression, the flying apsaras pattern in Longmen Grottoes is not only a treasure of ancient Chinese art, but also has a profound influence on the development of art in later generations.

5.3 The aesthetic expression of color in 2D animation

Color is an important artistic element with powerful expressive power. It plays a vital role in a work of art as it conveys emotion, creates atmosphere and resonates with the viewer. This chapter explores the aesthetic expression of color in 2D animation and relates it to the art of flying in the Longmen Grottoes in China.

2D animation is an art form that creates motion through a continuous series of still images. Through the clever use of color, an animator is able to present incredible visual effects to the audience. In 2D animation, color can be used to express storylines, character traits, and emotional states.

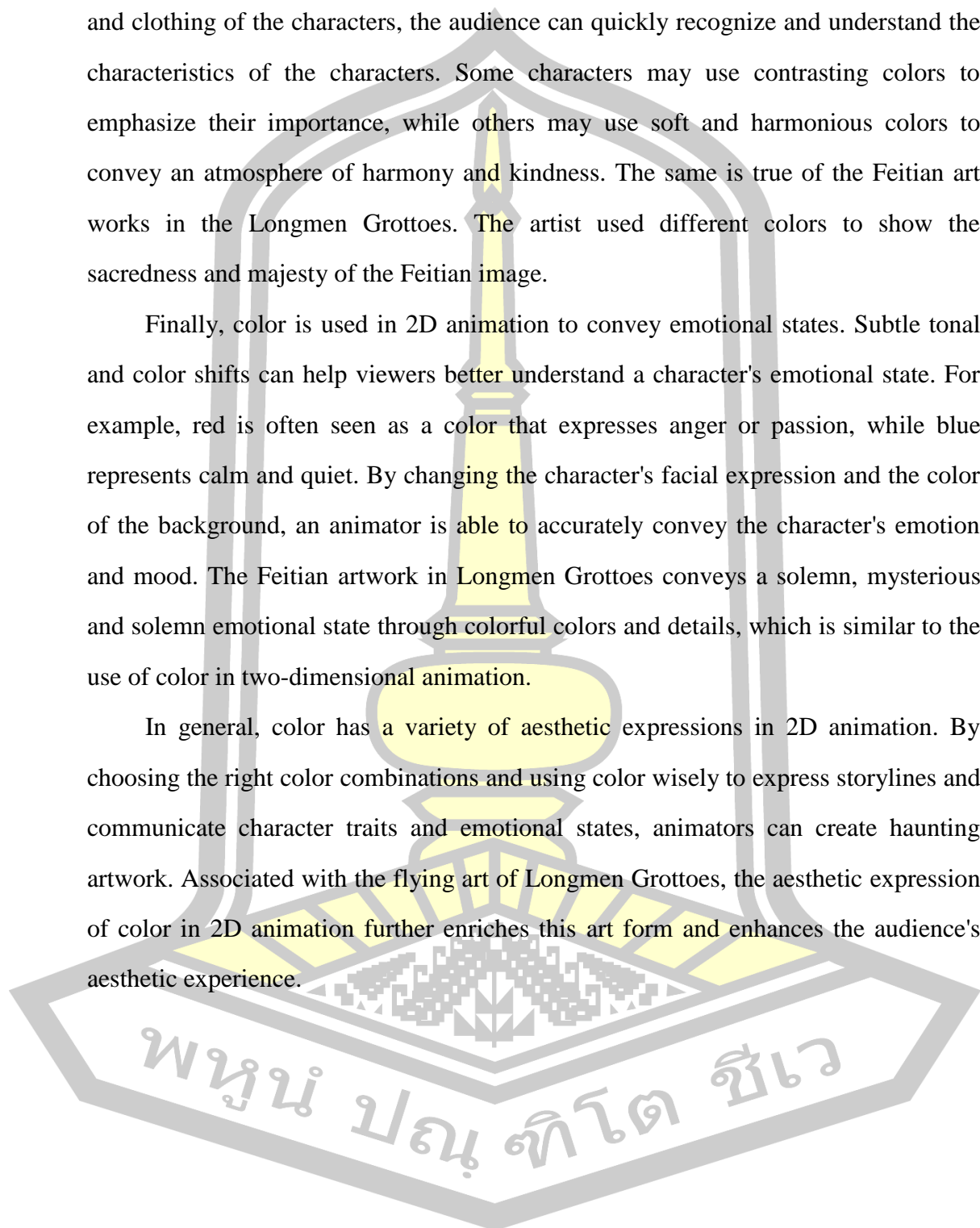
First of all, color is used in 2D animation to express the storyline. By choosing the right tone and color combinations, animators are able to convey different plot atmospheres and story backgrounds. For example, cool and dark tones are often used when depicting sad or tense scenes. And in happy or light-hearted episodes, bright and bright colors are usually used. The flying art of Longmen Grottoes often displays brilliant and colorful colors, which complement each other in the use of two-dimensional animation, and can arouse the interest and attention of the audience.

Second, color is used in 2D animation to convey character traits. Each character has its own unique personality and characteristics, and colors can be used to

accentuate these characteristics. Through the detailed color design of the appearance and clothing of the characters, the audience can quickly recognize and understand the characteristics of the characters. Some characters may use contrasting colors to emphasize their importance, while others may use soft and harmonious colors to convey an atmosphere of harmony and kindness. The same is true of the Feitian art works in the Longmen Grottoes. The artist used different colors to show the sacredness and majesty of the Feitian image.

Finally, color is used in 2D animation to convey emotional states. Subtle tonal and color shifts can help viewers better understand a character's emotional state. For example, red is often seen as a color that expresses anger or passion, while blue represents calm and quiet. By changing the character's facial expression and the color of the background, an animator is able to accurately convey the character's emotion and mood. The Feitian artwork in Longmen Grottoes conveys a solemn, mysterious and solemn emotional state through colorful colors and details, which is similar to the use of color in two-dimensional animation.

In general, color has a variety of aesthetic expressions in 2D animation. By choosing the right color combinations and using color wisely to express storylines and communicate character traits and emotional states, animators can create haunting artwork. Associated with the flying art of Longmen Grottoes, the aesthetic expression of color in 2D animation further enriches this art form and enhances the audience's aesthetic experience.



6 The fusion of narrative and symbolic meaning

In 2D animation creation, the fusion of narrative and symbolic meaning is a crucial task. This section will deeply explore the combination of narrative and symbolic meaning in the flying art of Longmen Grottoes, and further explore how this combination can be integrated and conveyed in the creation of two-dimensional animation. Specifically, we will take the Feitian pattern as an example to analyze its narrative structure and connotation, as well as its symbolic symbolism and cultural interpretation.

6.1 Narrative structure and connotation of Feitian pattern

As an important artistic element of the Longmen Grottoes in Luoyang, the Feitian pattern not only has aesthetic value, but also contains rich narrative structure and connotation. These flying apsaras convey various stories and philosophical concepts through gestures, expressions and symbols in art.

First of all, flying apsaras patterns often show an elegant posture and a sense of movement. They are usually characterized by flying human figures, showing a light and stretched posture, giving people a sense of freedom and transcendence. This graceful posture is not only a form of artistic expression, but also contains the realm represented by the flying apsaras pattern. It represents the existence beyond the earthly world and expresses the yearning for liberation and sublimation.

Secondly, the expression of the flying Apsaras pattern is also an important part of its narrative structure. Through smiles, serenity or pious expressions, the flying apsaras pattern conveys faith, wisdom and sacred connotations. These expressions are not only a decoration of artistic images, but also an expression of the emotions and moods involved in Buddhist teachings. Viewers can resonate with these expressions and patterns, and further understand the thoughts and emotions conveyed by the flying patterns.

The flying sky pattern also conveys deep connotations through the use of a series of symbols and symbols. The most common of these is the flying image of

holding a musical instrument or a magic weapon. These symbols represent wisdom, psychic power and the spread of Dharma. The musical instruments and instruments in the flying apsaras symbolize the transmission and practice of Buddhist teachings, and they express the spiritual aspect contained in the flying apsaras in a symbolic way.

In addition, the flying apsaras pattern further enriches its narrative structure and connotation by combining it with other artistic elements. In the Longmen Grottoes in Luoyang, flying apsaras patterns are often combined with other Buddhist stories and religious symbols to create a rich storyline. For example, in mural paintings, flying apsaras often appear around the Buddha, together with other images related to Buddhist teachings to depict the Buddha's life and teachings. This combination offers the viewer the opportunity to gain a deeper understanding and perception of Buddhist thought.

The narrative structure and connotation of Feitian patterns have been widely used in traditional art. In addition to the Longmen Grottoes in Luoyang, flying apsaras motifs also appear in other Buddhist grottoes, temples and artworks. In murals and paintings, flying apsaras patterns are often used as a decorative element to add beauty to the artwork and express the artist's emotion. In sculptures and handicrafts, the flying apsaras pattern can be displayed in a three-dimensional form, making it more vivid and three-dimensional.

All in all, as an important artistic element in the Longmen Grottoes in Luoyang, the flying apsaras pattern conveys a rich narrative structure and connotation through its graceful gestures, expressions and symbols. They show an otherworldly realm through gestures and expressions, and convey the symbolic meaning of wisdom and supernatural power through symbols and symbols. These narrative structures and connotations are not only widely used in the Longmen Grottoes in Luoyang, but also play an important role in traditional art. The flying apsaras pattern is combined with other artistic elements to construct a rich storyline and meaning, bringing a deeper artistic experience to the viewers.

The narrative structure and connotation of the Feitian pattern are closely related to the narrative structure in traditional art. Traditional art focuses on telling stories through images and symbols, and conveying emotions and ideas with the help of visual elements. As an important part of traditional art, the flying apsaras pattern is integrated into a rich narrative structure with its unique image characteristics and symbolic meaning.

First of all, the flying apsaras can be regarded as characters and figures in traditional art. They not only show the characteristics and posture of the flying Apsaras pattern itself, but also carry a specific identity and role. In the narrative, the flying apsaras can play an important role, participating in the development and turning of the story. They can be patron saints, protectors, or important Buddhist figures, and show the ebb and flow of the story through interactions with other characters and the development of the plot.

Secondly, flying Apsaras patterns often appear as symbols in traditional art. They can represent wisdom, psychic power, cosmic order, or the human aspiration for ascension. In the narrative, the symbolic meaning of the flying apsaras echoes with other images and symbols to jointly construct a profound story connotation. For example, the flying apsaras motif can be combined with symbols from other Buddhist teachings, such as the lotus flower, the mudra of the Buddha, etc., to convey the quest for wisdom, liberation and sublimation.

The flying sky pattern can also express the development of the storyline and the change of emotion through its shape and posture. In traditional art, gesture and movement are important means of expressing emotion and narrative. The flying sky pattern shows the image changes under different plots and emotional states through graceful posture and dynamic sense. For example, they can depict scenes of joy and celebration in cheerful poses, and inner meditation and calm emotions in calm poses. This change of posture echoes the development of the storyline, conveying the changes of emotions and plots for the viewers.

Finally, the application of flying apsaras patterns in traditional art can also strengthen the narrative effect through means such as composition and decoration. Traditional art pays attention to the layout of composition and the details of decoration to create atmosphere and highlight the theme. As an important artistic element, the flying apsaras pattern can strengthen the narrative effect through factors such as its position, size and color in the picture. For example, in a mural, the flying apsaras could be placed in key positions, contrasting or echoing other imagery, to highlight the importance of a storyline or to emphasize a specific emotion.

All in all, the narrative structure and connotation of Feitian patterns play an important role in traditional art. Through role-playing, symbolism, gestures, and decoration, they lend rich storylines and emotional expression to works of art. The flying apsaras pattern blends with other images and symbols to jointly construct a profound story connotation and convey far-reaching thoughts and meanings to the viewers. Through the narrative structure of the flying apsaras pattern, traditional art can tell stories, convey values and philosophical ideas in a unique way.

The narrative structure and connotation of the Feitian pattern embodies the storytelling and artistic techniques in traditional art. In traditional art, narratives usually adopt a sequential structure, presenting continuous events and plot development through a series of images. The flying pattern shows the ups and downs and changes of the storyline through the changes of different postures, expressions and actions, bringing an immersive feeling to the viewers.

The narrative structure of Feitian patterns is also closely related to plot development and role-playing in traditional art. In traditional art, the plot of the story is often presented by different role players, and the flying apsaras can play an important role, participating in the development of the story and the resolution of conflicts. Through the interaction with other characters and the advancement of the plot, the flying pattern shows unique functions and meanings in the narrative.

In addition, the flying apsaras add profound meaning to the narrative of traditional art through its symbolic and symbolic meaning. The flying apsaras often represent wisdom, psychic power and the desire for sublimation, and these symbols, when combined with other images and symbols, convey the quest for wisdom, liberation and sublimation. Viewers can think deeply about the pursuit and realm of human spirit through the interpretation and understanding of these symbols.

The composition and decoration of flying apsaras also played an important role in the narrative of traditional art. Traditional art pays attention to the layout of the composition and the details of the decoration, and presents the development of the story and the change of the plot through carefully designed pictures. The flying apsaras pattern can strengthen the narrative effect through factors such as its position, size, color and details in the picture. They can be placed in key locations, contrasting or echoing other imagery, to highlight the importance of a storyline or to emphasize a particular emotion.

Generally speaking, the narrative structure and connotation of Feitian patterns play an important role in traditional art. Through role-playing, symbolism, gestures, and decoration, they lend rich storylines and emotional expression to works of art. The flying apsaras pattern blends with other images and symbols to jointly construct a profound story connotation and convey far-reaching thoughts and meanings to the viewers. Through the narrative structure of the flying apsaras pattern, traditional art can tell stories, convey values and philosophical ideas in a unique way, and provide viewers with opportunities for in-depth thinking and perception.

6.2 Symbolism and Cultural Interpretation of Flying Apsaras

As an important symbol and symbol in traditional art, flying apsaras patterns carry rich cultural connotations and interpretations. Through the symbolic symbolism and cultural interpretation of the flying apsaras pattern, we can deeply explore its meaning and influence in artworks.

First of all, the flying apsaras symbolizes the realm beyond the world and the desire to pursue spiritual freedom. In Buddhist culture, Feitian is regarded as a kind of existence with supernatural powers. They can travel freely in various worlds and spaces, showing extraordinary abilities and wisdom. The flying apsaras pattern conveys the pursuit of transcendence, liberation and sublimation through its light image and flying posture. They symbolize people's desire to transcend material boundaries and ascend to the realm of Buddhism, and inspire the viewers' inner yearning and thinking.

Secondly, the flying sky pattern also carries the symbolic meaning of wisdom and ability. In Buddhist teachings, Feitian is considered to be a being with superhuman wisdom and ability. They can perceive the truth of the world and realize the transcendence of wisdom. The flying apsaras pattern presents an extraordinary and intelligent image through its posture, holding instruments and facial expressions, symbolizing the pursuit of human wisdom and ability. When appreciating the flying apsaras pattern, viewers not only feel its aesthetic charm, but also can be inspired to think and pursue wisdom, ability and self-improvement.

In addition, the flying apsaras pattern also has the diversity of cultural interpretation. It may carry different meanings and symbols in different cultural backgrounds. In traditional Chinese culture, the flying apsaras pattern is closely related to Buddhism, representing the universal enlightenment of Buddhism and the blessing for human well-being. In other Asian countries such as Japan and Korea, flying apsaras motifs are also widely used in temple architecture, paintings and crafts with similar symbolic meanings. In Western culture, the flying apsaras pattern is often interpreted as a symbol of spirituality, representing the yearning for transcendence and spiritual pursuit.

Therefore, for the symbolic symbolism and cultural interpretation of the flying Apsaras pattern, we should take into account different cultural backgrounds and understandings of viewers. As an artistic symbol with rich connotations and diverse

interpretations, the flying sky pattern can present different meanings and values in different cultural contexts. When appreciating the flying apsaras pattern, viewers can combine their own cultural background and aesthetic point of view for personalized interpretation and perception.

Generally speaking, as an important symbol and symbol in traditional art, the flying apsaras pattern is characterized by the desire to transcend the world, the pursuit of wisdom and ability, and the interpretation of diverse cultures. Through an in-depth discussion of its symbolic symbolism and cultural interpretation, we can better understand and appreciate the thoughts, emotions and aesthetic value conveyed by the flying apsaras pattern. This not only enriches our understanding of traditional art, but also provides new possibilities for maintaining the balance between innovation and tradition in animation. As a traditional art element full of symbolic meaning and aesthetic value, the flying apsaras pattern can play an important role in the creation of two-dimensional animation.

First of all, the application of flying patterns in two-dimensional animation can increase the beauty and visual impact of artworks. By incorporating the flying apsaras into animated scenes, artists can take advantage of their graceful shapes and poses to create unique visual effects. The flying image and lightness of the flying apsaras pattern can bring an otherworldly feeling to the audience, and enhance the artistic atmosphere and expressiveness of the work.

Secondly, the application of flying apsaras patterns in animation can convey rich emotions and meanings. Through the use of flying apsaras patterns, the artist can express the characters' inner emotions and spiritual pursuits through gestures, expressions and movements. The symbolic meaning beyond the world and the connotation of intellectual power in the flying apsaras pattern can give depth and spirituality to animated characters, making the story richer and more interesting.

In addition, the application of flying apsaras patterns in animation can also explore the diversity of story narrative structures and themes. By utilizing the apsaras

motif, the artist can show the growth and transcendence of the characters, presenting an inspiring storyline. The otherworldly realm and the meaning of pursuing freedom represented by the flying apsaras pattern can echo the themes and plots in the animation, bringing the audience a deeper level of thinking and perception.

Finally, the application of flying patterns in two-dimensional animation can also promote the inheritance and innovation of traditional art. By integrating traditional art elements into animation creation, artists can combine ancient cultural symbols and contemporary creativity to create unique and individual works. This innovative attempt can not only bring new artistic experience to the audience, but also contribute to the dissemination and development of traditional art.

To sum up, as an important element of traditional art, the flying apsaras pattern has wide application potential in the creation of two-dimensional animation. It can not only add to the beauty and visual impact of artworks, but also convey rich emotions and meanings, explore the diversity of story narrative structures, and promote the inheritance and innovation of traditional art. Through the reasonable use of flying patterns, artists can create unique and charming animation works, bringing unique artistic experience and space for thinking to the audience.

6.3 The integration and communication of narrative and symbolic meaning in 2D animation creation

In the creation of two-dimensional animation, the integration and communication of narrative and symbolic meaning is very important. By skillfully combining narrative and symbolic meaning, artists can create compelling storylines and convey deep themes and meaning.

First of all, narrative plays an important role in the creation of 2D animation. Narrative is about building a storyline through a sequence of events and actions, and leading the audience through the process of understanding characters, developing plot, and resolving conflict. In animation, artists bring the audience into a virtual world through carefully designed plot arrangements and character development, allowing

them to have emotional resonance and immersive experience. Through narrative guidance, the audience can follow the development of the story, feel the growth and changes of the characters, experience the tension and suspense of the plot, and thus generate emotional resonance and thinking.

Complementary to narrative is the use of symbolic meaning. Symbolic meaning refers to the conveying of specific meanings and themes through symbolic images, symbols, and actions. In two-dimensional animation, artists can use symbolic meanings to convey deep thoughts and concepts, arousing the audience's association and thinking. For example, as a symbolic symbol, the flying sky pattern can represent the meaning of transcending the world, pursuing freedom and wisdom in animation. Artists can use the flying apsaras pattern to convey the character's inner world and spiritual pursuit through the character's movements and expressions, or through the arrangement of scenes and props.

The integration and communication of narrative and symbolic meaning requires the artist's ingenious operation and creativity. By constructing storylines rich in plot and conflict, artists can arouse the audience's interest and curiosity and immerse them in the world of the story. At the same time, artists can also enhance the emotion and theme of the story through the selection of appropriate symbols and symbolic images, as well as the use of elements such as color, music and sound effects. The use of symbolic meaning can make the animation more deeply rooted in the hearts of the people, and make the audience resonate and think, thereby enhancing the artistic value and influence of the work.

In 2D animation creation, the integration and communication of narrative and symbolic meaning is a complex and challenging task. Artists need to pay attention to narrative coherence and fascinating factors in the construction of storylines and the shaping of characters. At the same time, they also need to transform abstract concepts and ideas into concrete images and symbols through the ingenious use of symbolic meanings, so as to arouse the resonance and thinking of the audience. Only under the

effective integration and communication of narrative and symbolic meaning, can two-dimensional animation truly achieve the goals of emotional resonance, thought triggering and artistic expression.

To sum up, the integration and communication of narrative and symbolic meaning in 2D animation creation is crucial. Through well-constructed plot and character development, and clever use of symbolic meaning, artists can create compelling storylines and communicate deep themes and meaning. The use of narrative makes the animation coherent and engaging, and the audience can become involved as the story unfolds, experiencing the growth of characters and the resolution of conflicts. At the same time, the use of symbolic meaning endows animation with deeper meaning and symbolism, and conveys specific thoughts and emotions through the selection of images, symbols and actions.

In the fusion of narrative and symbolic meaning, artists need to use various techniques flexibly to create compelling animation plots. They can use plot developments and twists to hold the audience's attention and create suspense and tension. Through the revealing of characters' behaviors, expressions and inner world, artists can integrate symbolic meanings into animations to convey characters' emotions, thoughts and pursuits. At the same time, artists can also use visual elements, such as color, composition and animation effects, to strengthen the expression of symbolic meaning, allowing the audience to understand and experience the information conveyed by animation more deeply.

The fusion of narrative and symbolic meaning has a wide range of applications in 2D animation. Whether it is traditional story animation, humorous comedy, or abstract art animation, unique artistic effects can be created through the interweaving of narrative and symbolic meaning. For example, in story animations with rich plots, narrative can guide the audience to immerse themselves in the conflict and growth process of characters, while symbolic meaning can convey themes and emotions through visual symbols and symbolic images. In humorous comedy, the use of

narrative can elicit laughter and plot reversals, while symbolic meaning can enhance comedy through exaggerated movements and expressions. In abstract art animation, narrative can create an abstract emotion and artistic conception through the rhythm of music and visual elements, while symbolic meaning can express the artist's creative ideas and themes through the symbolic use of form and color.

The fusion of narrative and symbolic meaning makes two-dimensional animation have a wider creative space and artistic expression. Artists can arouse the audience's emotional resonance and thinking through carefully constructed storylines. At the same time, through the ingenious use of symbolic meaning, artists can convey deeper themes and meanings, stimulating the audience's imagination and perception. This fusion makes 2D animation not only a medium of entertainment, but also a form of artistic expression, with ideological and aesthetic value.

In short, the fusion of narrative and symbolic meaning is of great significance in the creation of two-dimensional animation. Artists create compelling animated narratives and communicate deep themes and emotions through the deft use of narrative and symbolic meaning. This fusion makes the two-dimensional animation have greater artistic expression and communication power, and stimulates the audience's thinking and resonance. Through continuous innovation and exploration, the fusion of narrative and symbolic meaning will continue to promote the development of two-dimensional animation, bringing audiences a richer artistic experience and space for deep thinking.

In the creation of two-dimensional animation, the use of narrative can make the story more vivid and fascinating. By constructing the ups and downs of the plot, the artist shapes the character's personality and fate, arousing the emotional resonance of the audience. The emphasis on narrative makes the animation story logical and coherent, and the audience can resonate and emotionally connect with the characters in the story by following the character's journey and the process of facing conflicts. At

the same time, the ingenious use of narrative can also create suspense, create tension and emotional climax, and enhance the audience's viewing experience.

The use of symbolic meaning can give animation a deeper meaning and symbol. By choosing specific symbols, images and actions, artists can communicate themes, values and emotional states. Symbolic meaning can be expressed through the symbolic use of visual symbols, such as colors, shapes, and patterns, or through the behavior and expressions of characters. This use of symbolism can stimulate the audience's association and thinking, so that they can have a deeper understanding of the meaning and theme behind the story.

In the creation of two-dimensional animation, the fusion of narrative and symbolic meaning can not only let the audience enjoy the wonderful story, but also arouse the audience's thinking and exploration. Artists can explore deeper issues such as human emotion, morality and philosophy through the clever arrangement of plots and the use of symbols. This kind of in-depth exploration and thinking can stimulate the audience's imagination and thinking, and make them think and resonate more about animation works.

The fusion of narrative and symbolic meaning has a wide range of applications in the creation of two-dimensional animation. Whether it is traditional story animation, humorous comedy or experimental abstract art animation, all of them can create a variety of artistic effects through the interweaving of narrative and symbolic meaning. According to the style and theme of the work, the artist can choose appropriate narrative techniques and symbols to convey specific emotions, thoughts and viewpoints. This fusion provides animation with more expressive means and creative possibilities, making it a medium full of artistic expression and thought exploration.

To sum up, the fusion of narrative and symbolic meaning is a key element in the creation of 2D animation. Through the skillful use of narrative and symbolic meaning, artists can create animated works rich in plot and meaning, which arouse the

resonance and thinking of the audience. This integration makes 2D animation more artistic and expressive, and promotes the development and exploration of animation art. Through continuous practice and innovation, the fusion of narrative and symbolic meaning will continue to provide 2D animation creators with a broader creative space and audiences with a richer artistic experience.

6.4 The practice and innovation of 2D animation technology in the flying pattern animation

In the field of animation, two-dimensional animation technology plays a vital role in bringing complex and dynamic flying patterns to life. By combining traditional artistic elements with modern animation techniques, animators can create visually stunning and culturally rich animation works. This section will explore the practical and innovative methods of how to apply 2D animation technology to the animation of flying apsaras.

First of all, in the process of drawing flying patterns, animators need to use traditional hand-drawing skills and line draft techniques. In the creative process combining traditional art and two-dimensional animation, animators can use traditional drawing tools such as pencils, brushes and paints to draw the line draft of the flying apsaras pattern. Through fine line drawing and meticulous picture performance, they can accurately reproduce every detail and shape in the flying pattern, making animation works more vivid and artistic.

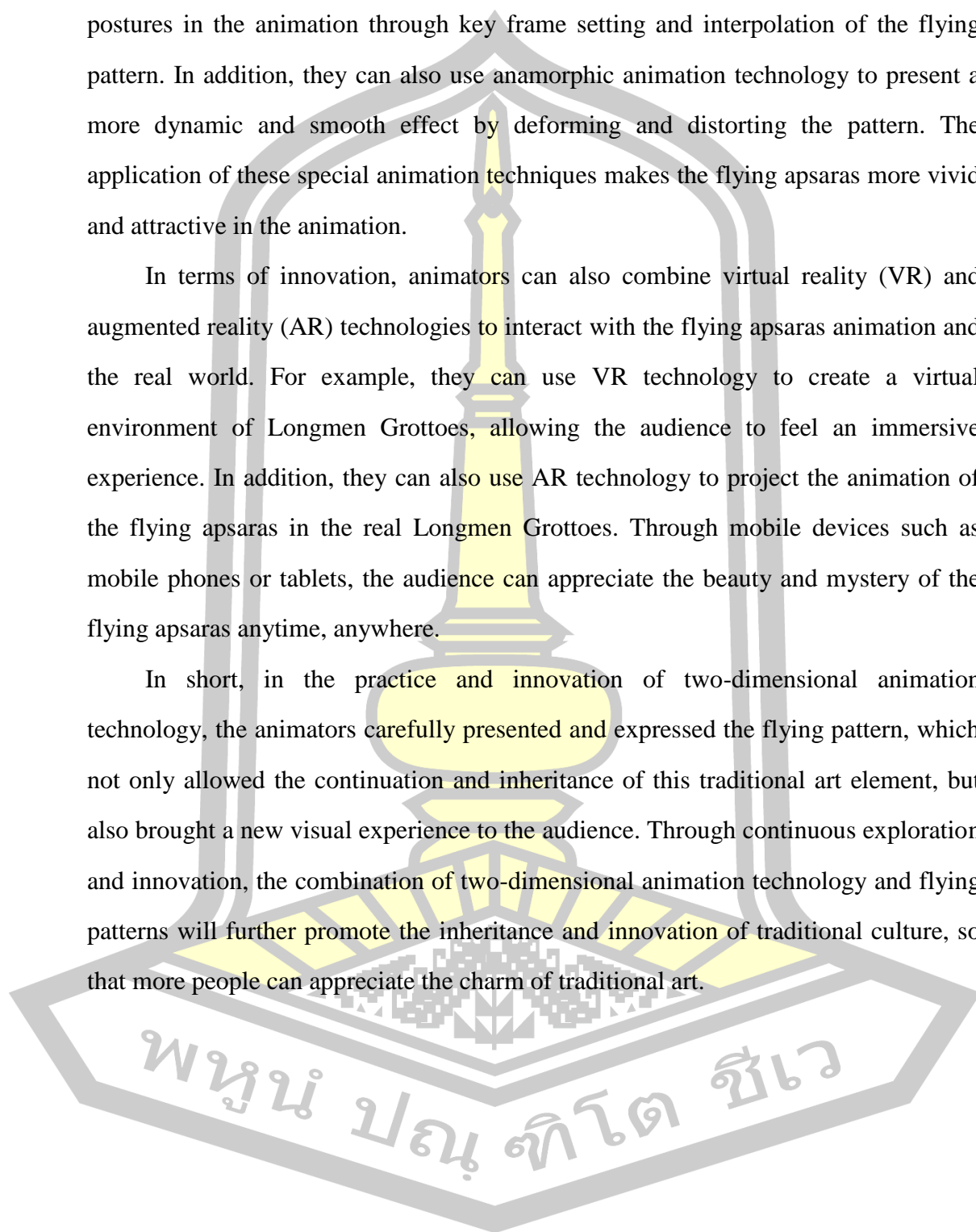
Secondly, the use of color in the flying apsaras pattern also plays an important role in the two-dimensional animation. Animators can use color theory and color matching principles to use bright colors to highlight the beauty and mystery of the flying apsaras pattern. At the same time, they can also use gradient and shadow effects to increase the layering and three-dimensionality of the pattern, making the whole picture more rich and vivid.

In addition, an animator can also use special animation techniques to achieve the dynamic effect of the flying apsaras pattern. For example, they can use skeletal

animation technology to make the pattern move smoothly and display different postures in the animation through key frame setting and interpolation of the flying pattern. In addition, they can also use anamorphic animation technology to present a more dynamic and smooth effect by deforming and distorting the pattern. The application of these special animation techniques makes the flying apsaras more vivid and attractive in the animation.

In terms of innovation, animators can also combine virtual reality (VR) and augmented reality (AR) technologies to interact with the flying apsaras animation and the real world. For example, they can use VR technology to create a virtual environment of Longmen Grottoes, allowing the audience to feel an immersive experience. In addition, they can also use AR technology to project the animation of the flying apsaras in the real Longmen Grottoes. Through mobile devices such as mobile phones or tablets, the audience can appreciate the beauty and mystery of the flying apsaras anytime, anywhere.

In short, in the practice and innovation of two-dimensional animation technology, the animators carefully presented and expressed the flying pattern, which not only allowed the continuation and inheritance of this traditional art element, but also brought a new visual experience to the audience. Through continuous exploration and innovation, the combination of two-dimensional animation technology and flying patterns will further promote the inheritance and innovation of traditional culture, so that more people can appreciate the charm of traditional art.



7 Trend Analysis and Expert Demonstration of Luoyang Longmen Grottoes

Flying Apsaras Patterns in Animation Creation

7.1 The Historical Evolution of Flying Apsaras Patterns in Traditional Art and Animation Creation

The Evolution and Development of Flying Apsaras Patterns in Traditional Art: Introduce in detail the historical evolution of Flying Apsaras patterns in traditional Chinese art, and discuss their application in painting, sculpture, handicrafts and other fields.

The introduction and application of flying apsaras patterns in animation creation: Explore how flying apsaras patterns are introduced into two-dimensional animation creation, and analyze their application forms and effects in cartoons.

7.2 Application Analysis of Flying Apsaras Patterns in Contemporary Animation Works

The elements of flying apsaras in excellent animation works: select some representative contemporary animation works, analyze the technique, style and meaning of using flying apsaras in them, and evaluate their effect and influence in the creation.

Comparison of the application effects of flying apsaras patterns in different animation types: compare the application effects of flying apsaras patterns in different types of animation works, such as fantasy, historical themes, religious themes, etc., and analyze the differences in their expression methods and creative effects.

The following are industry experts' comments on the application of flying apsaras in contemporary animation works:

1) Wonderful creative expression: As an imaginative and artistic element, the flying apsaras pattern is subtly integrated into contemporary animation works, bringing an amazing visual experience to the audience. Its unique shape and posture performance show the creator's in-depth thinking and careful design of details and dynamic performance.

2) Conveying emotion and meaning: Flying apsaras patterns are not only decorative elements in animation works, but also an important medium to convey emotion and meaning. Through the use of flying apsaras, animation works can convey deep emotions, arouse the resonance of the audience, and convey the meaning of freedom, hope and transcendence.

3) Diverse styles and application methods: The application of flying patterns is eclectic, and various animation works show a variety of styles and creation methods. Whether it is traditional hand-painted animation or digital two-dimensional animation, flying patterns can be presented in different forms and technical means, adding unique artistic charm to the work.

4) Arouse the audience's thinking and discussion: The flying apsaras pattern in contemporary animation works often arouses the audience's thinking and discussion. The audience has an in-depth interpretation of the meaning and symbolic meaning of the pattern, so as to deepen their understanding and appreciation of the connotation of the work. This kind of interaction and thinking makes animation works more attractive and influential.

5) Rich cultural connotation and inheritance: As an important cultural heritage of the Longmen Grottoes in Luoyang, the Feitian pattern is not only an artistic technique in contemporary animation, but also carries the respect and inheritance of traditional culture. By combining the flying apsaras pattern with modern animation, we not only give new life to traditional art, but also show the world the profoundness of Chinese culture.

In general, the application of flying patterns in contemporary animation works is full of creativity and imagination, with rich expressions and far-reaching meanings. They not only add visual beauty to the work, but also convey emotional and cultural connotations. This kind of application not only allows the audience to enjoy the visual feast, but also deepens the knowledge and understanding of traditional art, and promotes the inheritance and innovation of culture.

7.3 The transfer of the aesthetic and cultural value of flying apsaras patterns in animation creation

Aesthetic characteristics and expression methods of flying patterns: In-depth study of the aesthetic characteristics of flying patterns, including composition, lines, colors, etc., and analysis of their expression methods and visual effects in animation creation.

The symbolic symbol and cultural transmission of the flying apsaras pattern in animation: Discuss the symbolic symbolism and cultural meaning contained in the flying apsaras pattern, and analyze how it conveys the cultural connotation and the emotional resonance of the audience in the animation creation.

Exploring the balance between cultural protection and innovation of Feitian patterns: Discuss how to balance the protection and innovation of Feitian patterns in animation creation, which not only preserves its traditional value, but also gives it new artistic expressions.

The following are industry experts' comments on the aesthetic and cultural value of flying Apsaras patterns in animation creation:

1) Unique aesthetic features and ways of expression: Feitian patterns have unique aesthetic features, such as smooth lines, elegant posture and rich colors. These characteristics have been skillfully used in animation creation, and with its unique expression and visual effects, it has injected beauty and artistry into the work.

2) Profound symbols and cultural transmission: As the cultural heritage of the Longmen Grottoes in Luoyang, the Feitian pattern contains rich symbols and cultural significance. In animation creation, through its specific image and symbolic meaning, the flying apsaras pattern successfully conveys the cultural connotation and the emotional resonance of the audience, triggering the thinking and exploration of traditional culture.

3) Balanced exploration of protection and innovation: In animation creation, it is very important to protect the traditional value and cultural heritage of flying patterns.

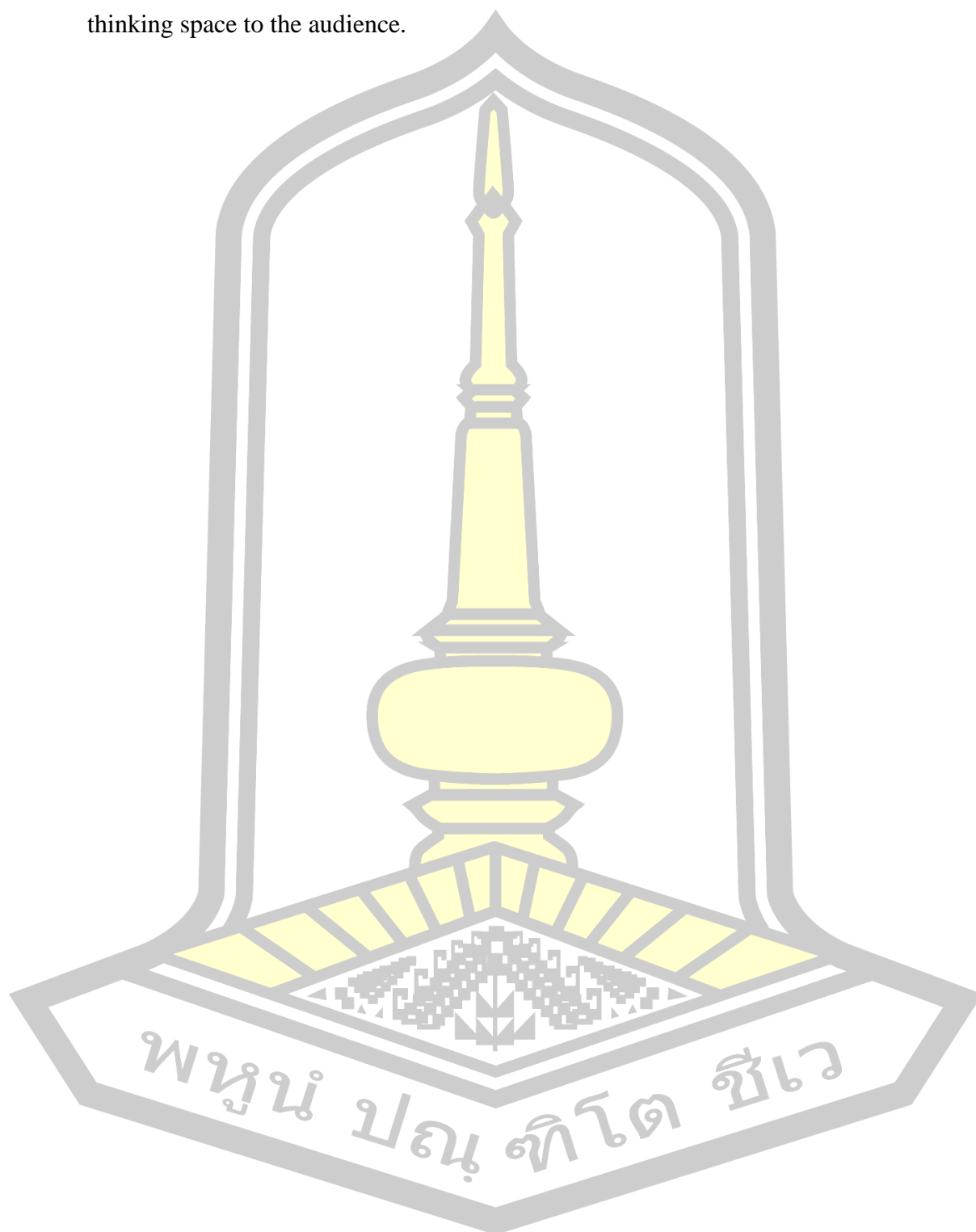
At the same time, creators are also constantly exploring how to combine flying patterns with innovative expression techniques to endow them with new artistic expressions. This balanced exploration can not only retain the unique charm of traditional culture, but also present more modern and innovative animation works to the audience.

4) Arouse the audience's aesthetic experience and thinking: The application of flying patterns in animation creation is not only for the pursuit of the beauty of visual effects, but more importantly, through its unique aesthetic and cultural value, it can arouse the audience's aesthetic experience and thinking. When appreciating the animation works, the audience can not only enjoy the visual pleasure, but also deepen their understanding and appreciation of traditional art through the interpretation and understanding of the flying apsaras pattern.

5) Promote cultural inheritance and innovation: The transmission of flying patterns in animation creation is not limited to the expression of a single work, but also has the significance of promoting cultural inheritance and innovation. By combining the flying apsaras pattern with modern animation, we not only retain the unique charm of traditional culture, but also give it a new way of artistic expression, promote the inheritance and innovation of traditional culture, and inject new vitality and meaning into modern animation creation .

Generally speaking, the aesthetic and cultural value of the flying Apsaras pattern has been effectively conveyed in the animation creation. Through its unique aesthetic characteristics and expression, the flying apsaras pattern injects beauty and artistry into the work. At the same time, the symbolism and cultural meaning contained in the flying apsaras pattern successfully aroused the audience's emotional resonance and thinking. In the balanced exploration of protection and innovation, the flying pattern not only retains the unique charm of traditional culture, but also injects new artistic expressions into animation creation. This kind of transmission promotes the

inheritance and innovation of culture, and brings rich aesthetic experience and thinking space to the audience.



Chapter III

Integration of Animation Creation and Traditional Art

1 Overview and development of animation creation

As an art form and media expression, animation creation has experienced a long development process and continuous technological innovation. The following will introduce in detail the overview of animation creation and its development process.

1.1 Overview of animation creation:

Animation is an art form that creates motion by continuously playing still images or visual effects of objects changing rapidly over a short period of time. In the form of continuous changes in images and visual illusions, it conveys a dynamic and vivid expression that can attract the attention of the audience and arouse emotional resonance. Animation creation can use a variety of technical means, including hand-drawn animation, computer animation, stop-motion animation, etc., for film, television, advertising, games and other fields.

1.2 The development history of animation creation:

The development of animation creation can be traced back to murals in ancient times, cave paintings and murals in ancient Greece and Rome. However, the origins of modern animation can be traced back to the experimental animation and animated short films of the late 19th and early 20th centuries. Here are some important milestones in animation creation:

Early experimental animation: In the late 19th and early 20th centuries, artists began to create experimental animations, exploring how to create dynamic effects through rapid changes in images. French artist Émile Cohl's *Fantasmagorie* (1908) is considered one of the first hand-drawn animated shorts.

The development of hand-drawn animation: At the beginning of the 20th century, hand-drawn animation became the mainstream animation production method.

Walt Disney's Mickey Mouse (Steamboat Willie (1928), the first animated short film with sound, marked a new era in hand-drawn animation.

The rise of computer animation: With the rapid development of computer technology, computer animation began to emerge. Pixar Animation Studio's "Toy Story" (Toy Story, 1995) is the first fully computer-generated animation film, marking the important position of computer animation in film production.

The innovation of stop-motion animation: stop-motion animation is a technology that forms continuous animation by shooting still objects in different positions or postures, and then playing them frame by frame. Stop-motion animation has unique expressiveness and charm, and is widely used in animation creation. For example, Ray Harryhausen's stop-motion animation "Jason and the Argonauts" (1963) became a classic with its stunning special effects and realistic animation.

Application of innovative technology: With the continuous advancement of science and technology, animation creation also continues to benefit from the application of new technologies. For example, the development of three-dimensional computer graphics technology makes it possible to create more realistic and delicate animation effects, providing more creative possibilities. The emergence of virtual reality technology and augmented reality technology has also brought a new experience and interactive way to animation creation.

1.3 Application fields of animation creation:

Animation creation is widely used in film, television, advertising, games and other fields. Animated films have become popular blockbusters, such as Disney's "The Lion King" (The Lion King, 1994) and Hayao Miyazaki's "Spirited Away" (Spirited Away, 2001). Cartoons also play an important role in the television medium, such as "The Simpsons" (The Simpsons) and "South Park" (South Park). In addition, animation is increasingly used in advertisements and games.

To sum up, after years of development in animation creation, from early experimental animation to the emergence of hand-drawn animation, computer

animation and stop-motion animation, continuous innovation and application of new technologies have expanded its application in various fields. As a unique art form, animation creation not only brings visual enjoyment to the audience, but also conveys emotions and thoughts through images and storylines. In the future, with the further development and innovation of technology, animation creation will continue to usher in new possibilities and challenges.

1.1 The origin and development history of animation

The origins of animation can be traced back to ancient times, and there are signs of attempts to capture movement in people's early artwork. However, the development of real animation techniques dates back to the late 19th and early 20th centuries. Here are some key milestones in the origins and history of animation:

1) Predecessors and early experiments (18th century - early 19th century)

Early mechanical toys and contraptions, such as spinning picture wheels and drawing toys, provided inspiration for later animation techniques.

In the early 19th century, Thomas Edison and other inventors developed early video devices, such as Thomas Edison's Kinetoscope, which displayed a continuous series of images.

2) Early hand-drawn animation (early 1900s - 1920s)

In 1906, French artist Émile Cohl created the first hand-drawn animation film "Fantasmagorie", which is considered to be the world's first hand-drawn animation film.

In 1914, American animator Wendell Bell (Winsor McCay) created "Little Nemo's Sleepwalking" (Little Nemo), showing high-quality hand-drawn animation techniques and complex storylines.

3) Appearance of sound and color animation (1920s - 1930s)

In 1928, Walt Disney created the first animated short film with sound, "The Birth of Mickey Mouse" (Steamboat Willie), marking the birth of sound animation.

In 1932, Walt Disney's "Flowers and Trees" (Flowers and Trees) became the world's first color animated short film, using Technicolor, an early color animation technology.

4) The rise of computer animation (1960s - present)

In 1963, American researcher Everett Rogers (Ivan Sutherland) developed Sketchpad, the first computer-generated animation system, which laid the foundation for the development of computer animation.

In the 1970s and 1980s, the advancement of computer graphics and the development of hardware technology promoted the rapid development of computer animation. Pixar Animation Studios set the benchmark for the development of computational animation.

In 1977, the film "Star Wars" by George Lucas introduced revolutionary special effects and computer graphics technology, marking the widespread use of computer generated imagery (CGI) in film production application.

In 1995, Pixar Animation Studios cooperated with Disney to launch the first full-length film "Toy Story", which became the first fully computer-generated animated film and opened the golden age of computer animation.

With the continuous development and innovation of computer technology, computer animation has been widely used in fields such as film, television, games and advertisements, providing creators with greater creative freedom and expressiveness.

During the development of animation, many excellent animation production companies and individuals have emerged, such as Disney, Pixar, DreamWorks, Hayao Miyazaki in Japan, Shanghai Animation Film Studio in China, etc. They have promoted animation through continuous innovation and exploration. The development of art.

1.2 Genres and styles of animation creation

Animation creation covers a variety of genres and styles, each genre and style has its own unique characteristics and ways of expression. Here are some common genres and styles of animation creation:

Traditional Animation: Traditional Animation is the most traditional form of animation, which creates animation effects by drawing a hand-drawn image on each frame. This genre includes classic Disney animation and traditional Japanese animation. Hand-painted animation focuses on delicate lines and picture performance, and pursues smooth movements and vivid character images.

Stop Motion Animation: Stop motion animation is a frame-by-frame shooting technique that creates animation effects by moving and adjusting objects in each frame. This genre includes toy animation, clay sculpture animation, and puppet animation. Stop-motion animation is loved for its unique handcrafted feel and the real presence of objects, where each frame is a true representation of the object.

Computer-Generated Animation: Computer-generated animation uses computer graphics and three-dimensional modeling techniques to create virtual animated worlds. This genre includes 3D animation and special effects animation. Computer-generated animation has realistic visual effects and the ability to present complex scenes, and is widely used in film, television, games and other fields.

Experimental Animation: Experimental animation is an exploratory form of creation that creates unique artistic effects by trying new techniques and techniques of expression. This genre includes abstract animation, artistic animation and interactive animation. Experimental animation breaks through the traditional way of expression and pursues personalized artistic style and aesthetic experience.

Motion Graphics: Motion Graphics is a combination of graphic design and animation techniques to convey information and express concepts through motion, transformation, and visual effects. This genre is often used in commercials, TV packaging, and movie titles, among other things. Dynamic graphics focus on

creativity and visual impact, and attract the audience's attention through the dynamic changes of graphic elements.

In addition to the genres and styles listed above, there are many other forms of animation creation, such as hybrid animation mixed with hand-drawn and digital, live-action animation, interactive animation, etc. Each stream, genre and style has its own unique creation methods and performance characteristics. Creators can choose a suitable genre and style according to their own creativity and goals to present the stories and emotions they want to convey.

In hand-drawn animation, artists express a character's movements and expressions by painting each frame. This traditional way of animating requires patience and precise manual skill, but is also capable of delivering images and movements that are full of human emotion.

Stop motion animation creates an animation effect by capturing the movement of a stationary object frame by frame. This method of fabrication requires careful arrangement and adjustment, but is also capable of creating unique object dynamics and visual effects.

Computer-generated animation uses computer graphics and three-dimensional modeling techniques to create virtual animated worlds. Through digital means, creators can precisely control the actions and performance of characters and scenes, presenting realistic visual effects and complex animation scenes.

Experimental animation is a field where creators explore new art forms and means of expression. This kind of animation creation focuses on personalized artistic style and aesthetic experience, and can express emotions and thoughts through abstract and non-traditional ways.

Motion graphics is the combination of graphic design and animation techniques to convey information and express concepts through motion, transformation and visual effects. This creative method is often used in advertising, TV packaging and

movie titles, etc., to attract the audience's attention through the dynamic changes of graphic elements.

Each genre and style has its unique application fields and creation methods, and creators can choose a suitable method for animation creation according to their own ideas and goals. Different genres and styles are also often cross-fused to create more diverse and innovative works.

2 The correlation between traditional art and animation creation

2.1 The forms and skills of traditional art elements in animation

The use of traditional artistic elements in animation is an important creative technique, which can give animation works a unique style and cultural connotation. The following are the expressions and techniques of some common traditional art elements in animation:

2.1.1 The application of traditional artistic painting style in animation

The use of traditional art painting style in animation is a common and unique creative technique. Here are some common forms and techniques of traditional art drawing styles used in animation:

Ink painting style: Ink painting is an important form of traditional Chinese art. It expresses unique emotions and artistic conceptions with the depth of ink and the rendering of ink. In the animation, the artist can use the brushstrokes and ink colors of ink painting to present the picture, creating a classical and elegant atmosphere. By using the characteristics of ink painting, such as dry brush, wet brush, combination of virtual and real, etc., it is possible to create a soft and poetic picture effect.

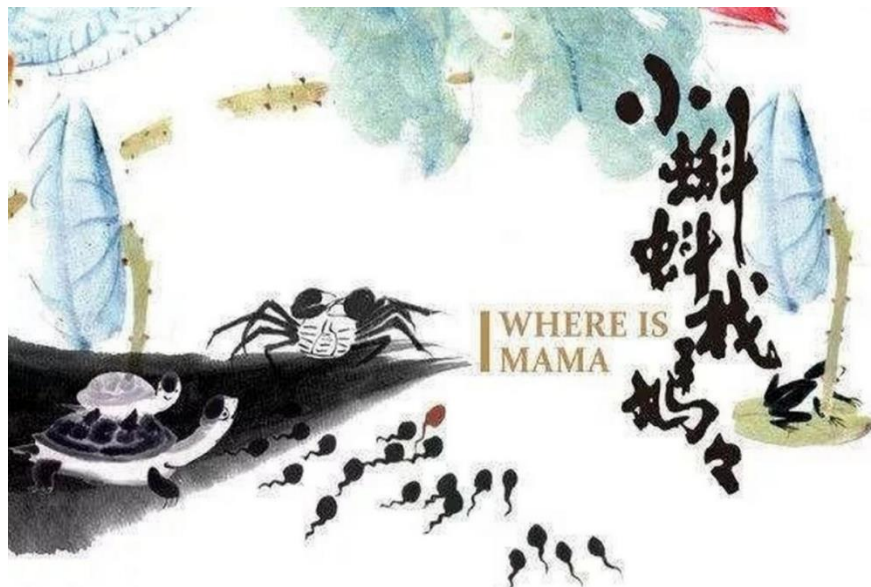


Figure 9 Ink animation "where is mother"

Source: <https://baike.sogou.com/m/fullLemma?lid=8230245>

Japanese Ukiyo-e Style: Japanese Ukiyo-e is a form of painting from the Edo period known for its bright colors, flat compositions, and vivid expressive style. In animation, artists can learn from Ukiyo-e's use of color and line expression to create a bright and full picture effect. By using the characteristics of Ukiyo-e, such as emphasizing color contrast, using bright flat colors and other techniques, it is possible to create an animation picture full of Japanese cultural characteristics.



Figure 10 Ukiyo-e animation

Source: <https://www.cool3c.com/article/95840>

Oil painting style: Oil painting is an important form in the Western painting tradition, known for its rich color levels and fine details. In animation, artists can use the color rendering and layered expression of oil painting to create rich and three-dimensional picture effects. By using the characteristics of oil painting, such as the use of light and dark contrast, delicate brushstrokes and other techniques, it is possible to create delicate and textured animation images.

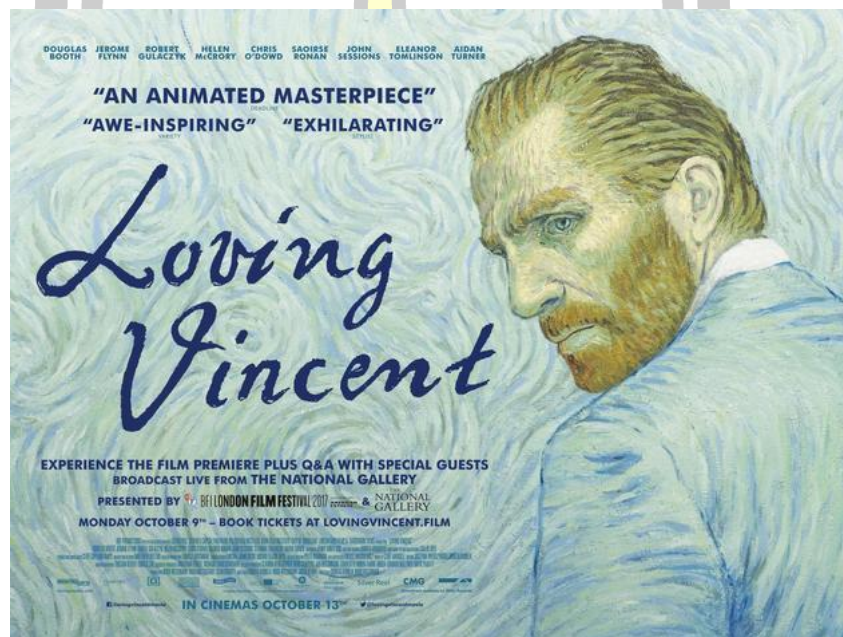


Figure 11 Oil painting style animation "Love Van Gogh"

Source: <http://doc.sina.cn/?id=comos:fypxrpp3401355>

Graphic art style: Graphic art is an art form that emphasizes graphic composition and decoration, and is often found in traditional Chinese painting, ceramic drawing and embroidery. In animation, artists can draw on the lines and patterns of graphic art to create decorative and graphic effects. By using the characteristics of graphic art, such as fine decoration performance, bold pattern combination and other techniques, unique and visually impactful animation images can be created.

Flat art style animation

The above are some common application forms and techniques of traditional art painting style in animation. Artists can choose a suitable traditional art painting style

according to the theme and style of animation works, and use related techniques to create unique picture effects.

In terms of application, by cleverly integrating the aesthetic elements of traditional art and the expressive techniques of animation creation, animation works can show rich cultural connotations and artistic charm. The application of traditional art painting styles in animation can cover many aspects:

Line expression: Line expression in traditional art often emphasizes the smoothness and change of strokes, which can be applied to animation. Artists can create unique artistic styles and visual effects by drawing flowing lines, varying stroke thickness, and line direction. For example, drawing on the artistic conception in Chinese landscape painting, using free and curved lines to describe the landscape elements in landscape animation.

Use of color: The use of color in traditional art painting often has distinct personality and unique emotional expression. Artists can learn from the color combination and color expression skills of traditional painting and apply them to animation. By choosing a specific color palette, using chiaroscuro and variations in color saturation, rich color layers and emotional atmospheres are created.

Decorative elements: Traditional art often focuses on the use of decorative elements, such as patterns, patterns and ornamentation. Artists can apply decorative elements in traditional art to animation, creating unique visual effects and rich details. For example, adding traditional art decorations to the character design, or using traditional art patterns as background elements in the scene.

Artistic conception and atmosphere: Traditional works of art often create unique artistic conception and atmosphere through composition, light and shadow and space performance. Artists can learn from the composition techniques and spatial processing of traditional art and apply them to animation to create a picture effect with depth and three-dimensionality. Create emotional and story-rich animated scenes by using specific lighting effects, background details, and perspective manipulation.

Symbols and symbolic meanings: Traditional art often contains rich symbols and symbolic meanings, representing specific cultures and values. Artists can borrow symbols and symbolism from traditional art and apply them to animation to express specific themes and emotions. By using specific symbol patterns, symbolic actions or items, the cultural connotation and emotional expression of animation can be enriched.

By using the skills and elements of traditional art painting styles, animation works can present a unique aesthetic style and artistic value. Artists can choose the appropriate traditional art painting style according to the theme and style of the work, and create animation pictures with depth and unique charm by skillfully using related techniques and elements. This way of integrating traditional art and animation creation not only enriches the artistic expression of animation works, but also promotes the inheritance and development of traditional art.

2.1.2 Application of traditional art sculptures and crafts in animation

In animation creation, traditional art sculptures and handicrafts play an important role, injecting unique artistic and cultural elements into the works.

First of all, traditional art sculpture plays an important role in animation character design. Traditional sculpture works are famous for their exquisite carving skills and lifelike shapes. Artists can use traditional sculpture modeling skills to create a unique artistic style and three-dimensional sense through sculptural character design and scene construction. Drawing lessons from the sculpture shapes in ancient Chinese stone carvings, it is applied to the character design, so that the characters have a three-dimensional sense and historical and cultural connotations.

Secondly, traditional art sculptures also provide valuable resources for the creation of animation scenes. Architectural styles, ornamental motifs, and decorative elements found in traditional sculpture can serve as inspiration for animated scenes. Artists can refer to the architectural forms and decorative details in traditional sculptures and incorporate them into the design of animation scenes to create a

background with a strong historical and cultural atmosphere. The unique design and exquisite details of traditional sculpture can give the scene a unique visual charm and cultural connotation.

In addition, traditional arts and crafts also play an important role in animation creation. Handicrafts are widely appreciated for their exquisite craftsmanship and exquisite ornamentation. Artists can draw inspiration from traditional crafts and apply their ornamental patterns and decorative elements to character design, costume design and scene layout. The unique patterns and decorative elements of traditional handicrafts add rich details and cultural connotations to the characters and scenes, and enhance the artistic quality and appreciation value of the works.

The application of traditional art sculptures and handicrafts enriches the visual expression and cultural connotation of animation works. Artists create unique and artistic character images and scene designs by fusing traditional art elements. This fusion not only brings visual beauty to the work, but also conveys deep cultural information and aesthetic values. At the same time, the application of traditional art also promotes the inheritance and development of traditional culture, allowing the audience to have a deeper understanding and appreciation of the charm of ancient Chinese art.

By fully tapping the potential of traditional art sculptures and crafts in animation, artists can create more artistic and unique works, bringing audiences a richer and deeper visual experience. The integration and innovation of traditional art makes animation works more cultural and artistic value, and injects new vitality into the inheritance and development of traditional art. At the same time, the combination of traditional art and animation creation also provides a powerful means to promote the dissemination and promotion of traditional culture.

2.2 Inspiration and influence of traditional art on animation creation

When studying the relationship between the narrative structure and the animation plot in traditional art related to the flying art of Longmen Grottoes, we can not only

deeply explore the characteristics of the ancient artwork itself, but also gain insight into human desire for storytelling and expressiveness. way of commonality. This chapter aims to analyze this connection in detail and explore how this connection is manifested in traditional art and animation plots.

Traditional art, especially the flying art of Longmen Grottoes, occupies an important position in Chinese culture with its unique form and expression. Often presented in relief, these works represent various storylines and myths and legends through depiction and sculpture. These stories are often presented in a coherent manner, depicting the development and transformation of the plot through the arrangement of physical images and the construction of scenes. At the same time, these works of art also convey a certain amount of moral education and spiritual guidance. By depicting heroes, myths and historical events, they arouse people's yearning for beautiful things and noble behaviors.

Animated drama is a relatively new art form compared to traditional art. However, despite the differences in the two forms of expression, they both uphold the essence of narrative. Animated stories use the combination of image and sound to tell a storyline and express emotion in a way that is visually vivid and engaging to the audience. Similar to the narrative structure in traditional works of art, animation plots also rely on a coherent story line, as well as the shaping of characters and the setting of scenes.

The connection between traditional art and animation plot can be discussed from multiple dimensions. First of all, both use specific artistic techniques and techniques to describe the appearance, expressions and movements of the characters to achieve the presentation of the plot. Whether it is the sculpting skills in traditional art, or the painting and animation production techniques in animation plots, it is all about conveying emotions and story information to the audience. Secondly, both pay attention to the design and performance of the scene, and there are similarities in the arrangement of physical space and the use of visual elements. Whether it is the rock

structure and background details in the Longmen Grottoes, or the fictional locations and background settings in the animation plot, they all provide the necessary support and foil for the storyline.

In addition, both traditional art and animation plots have a strong narrative purpose and meaning. They convey specific information and values to the audience through the development and turning of the plot. Whether it is the religious and philosophical ideas conveyed in traditional art works, or the exploration of social issues and human nature explored in animation plots, they all provide the audience with opportunities for in-depth thinking and experience.

The flying art of Longmen Grottoes is famous for its unique narrative structure and artistic style. They engage audiences by bringing together various story elements and plot characters to create vivid and lifelike scenes. There is something in common between the connection of this special narrative structure and the narrative structure of the animation plot. Animated plots use creativity and technical means to convey storylines in the form of images and sounds, and to reveal emotions and contradictions through the development of characters and plots.

In the dissertation, taking the connection between the narrative structure in traditional art and the plot of animation as a chapter theme can help us better understand the essence and commonalities of these two art forms. Through the in-depth study of the flying art in Longmen Grottoes and the analysis of the animation plot, we can recognize the similarities in narrative structure between traditional art and animation plot, and their importance for cultural inheritance and story transmission. Such research can not only broaden our academic horizons, but also help promote the innovation and development of traditional art and animation plots.

In summary, there is a close relationship between the narrative structure in traditional art and the plot of animation. Whether in ancient art works or in contemporary animation plots, they express stories and emotions through the development of plots, the shaping of characters, and the use of visual effects. By

studying the connection between the narrative structure in traditional art related to the flying art of Longmen Grottoes and the animation plot, we can explore this relationship in depth and their importance for cultural inheritance and artistic expression. Such research helps to promote the exchange and development of traditional art and animation plots, and at the same time broadens our understanding and appreciation of narrative art.

With the continuous advancement of science and technology and the rapid development of society, animation aesthetics, as a special art form, plays an increasingly important role in contemporary culture. As the predecessor of animation aesthetics, traditional art has had a profound impact on its development. This chapter will focus on the influence of the aesthetic value of traditional art on animation aesthetics, and take the flying art of Longmen Grottoes as an example to elaborate.

First of all, the flying art of Longmen Grottoes is an important part of traditional Chinese art, and its unique aesthetic value has played a positive role in promoting the development of animation aesthetics. Longmen Grottoes is one of the treasure houses of ancient Chinese art, famous for its exquisite reliefs and murals. The image of Flying has attracted many viewers with its vivid, mysterious and long historical background. These flying images are not only a beautiful visual art form, but also contain profound cultural connotations and philosophical thinking, bringing people's thinking and understanding of life and nature. The animation aesthetics draws lessons from the aesthetic characteristics of the flying art in Longmen Grottoes, thus creating a variety of characters and scenes, so that the audience can gain more spiritual enjoyment in the process of appreciating animation works.

Secondly, the influence of the aesthetic value of traditional art on animation aesthetics is reflected in the introduction and expansion of artistic expression techniques. The expression techniques of traditional art forms are diverse and creative, which provides rich inspiration and reference for the development of animation aesthetics. In the art of Flying in the Longmen Grottoes, artists used

techniques such as stone carving reliefs and murals to shape the image of Flying to life, with a sense of three-dimensionality and movement. Traditional art pays attention to the grasp of details and exquisite craftsmanship, and this spirit has been inherited and developed in animation aesthetics. Animation estheticians have borrowed traditional artistic expression techniques, and through the use of dynamic pictures and special effects, they have created unique visual effects and improved the artistry and appreciation of the works.

In addition to the introduction and expansion of artistic techniques, traditional art also has a positive impact on the storytelling of animation aesthetics. Traditional art brings profound emotional experience to the audience with its rich stories and unique narrative methods. Most of the mural stories in the Flying Art of Longmen Grottoes are based on Buddhist themes. Through delicate lines and emotionally rich characters, they show various differences in life and convey cultural values and thinking. Animation aesthetics draws on the storytelling of traditional art, and through the arrangement of the plot, the portrayal of the characters and the expression of emotions, the audience can deeply participate in the story and resonate. This kind of emotional resonance makes the animation work more appealing and attractive, and improves the artistic expression of the work.

To sum up, the influence of the aesthetic value of traditional art on animation aesthetics cannot be ignored. Taking the flying art of Longmen Grottoes as an example, its unique aesthetic characteristics, diverse artistic expression techniques and rich storytelling forms have played a positive role in promoting the development of animation aesthetics. The combination of traditional art and animation aesthetics can not only enrich the form and content of animation works, but also convey deeper cultural connotations and philosophical thinking. Therefore, in the process of researching and developing animation aesthetics, we should seriously study the aesthetic value of traditional art, learn from it and inherit it, in order to promote the continuous progress and innovation of animation aesthetics.

3 The Potential and Challenges of Luoyang Longmen Grottoes Flying Patterns in Animation Creation

The Longmen Grottoes in Luoyang, as the jewel in the treasure house of ancient Chinese art, are famous all over the world for their unique artistic style and excellent artistic expression ability. Among them, the flying pattern of Longmen Grottoes, as an important artistic element, has distinctive features and unique forms of expression. With the development and prosperity of animation art, people began to explore the possibility of integrating the flying patterns of Longmen Grottoes into animation creation. This chapter will discuss the potential and challenges of the flying patterns in Longmen Grottoes in Luoyang in animation creation.

The Uniqueness of the Flying Pattern in the Longmen Grottoes in Luoyang The Flying pattern in the Longmen Grottoes in Luoyang is a typical figure image in ancient Chinese art. It is characterized by beautiful and unique image, strong ornamental value and rich meaning. These flying images often show the posture of flying freely and flying in the sky in the murals, giving people a mysterious and lofty feeling. In animation creation, with the help of modern technology, the flying patterns of Longmen Grottoes can be vividly presented on the screen, so that the audience has an immersive feeling.

The Potential of Flying Patterns in Longmen Grottoes in Luoyang in Animation Creation

Inheriting traditional culture: The flying patterns of Longmen Grottoes in Luoyang are an important part of Chinese traditional culture. Integrating it into animation creation can inherit and carry forward Chinese traditional culture, and arouse the audience's sense of identity and emotional resonance with traditional art.

Rich artistic expression: The flying patterns of Longmen Grottoes in Luoyang have unique images and far-reaching meanings, and these images can be perfectly presented through animation. With the special effects of animation, the scene of flying in the sky can be shown, creating a mysterious and spectacular artistic atmosphere.

Improve appreciation: animation works are a kind of visual art, compared with traditional art, its appreciation is stronger. By integrating the flying patterns of Luoyang Longmen Grottoes into the animation, the audience's visual enjoyment of the work can be deepened, and the attraction and influence of the work can be enhanced.

The challenges faced in the animation creation of the flying patterns in the Longmen Grottoes in Luoyang

Maintain the original style: The flying patterns of the Longmen Grottoes in Luoyang have a unique artistic style, but when integrating them into animation creation, it is necessary to balance the need to maintain the original style and adapt to the animation performance. This requires animation creators to have a certain degree of artistic accomplishment and creativity in order to achieve artistic harmony.

Difficulty in technical realization: The characteristics of the flying patterns in the Longmen Grottoes determine the need for advanced technical means in the animation creation process. This puts higher demands on the animator's technical ability, and it is necessary to master complex special effects production technology to achieve the best presentation effect of the Flying pattern in the animation.

Cultural Interpretation and Communication: The flying patterns of Longmen Grottoes in Luoyang contain rich cultural connotations, but it is a challenge to convey them to the audience reasonably. Animation creators need to study the artistic background and meaning of Longmen Grottoes in detail in the creation to ensure the accuracy and completeness of the communication.

The flying patterns of Longmen Grottoes in Luoyang have great potential and creative space in animation creation. Through the integration of tradition and modernity, art and technology, animation works rich in ornamental and expressive force can be created. However, at the same time, some challenges must be faced, including maintaining the original style, difficulty in technical realization, and cultural interpretation and communication. Only by overcoming these challenges and giving

full play to the potential of the flying patterns of Longmen Grottoes in Luoyang in animation creation can we create animation works with more artistic value and cultural connotation, and contribute to the inheritance and innovation of Chinese traditional culture.

3.1 The artistic expression of Flying pattern and the meeting point of animation creation

In traditional Chinese art, Longmen Grottoes Flying Art, as an important form of artistic expression, has attracted much attention for its unique creative style and exquisite skills. With the development of technology and the evolution of art, the artistic expression of flying patterns has gradually been integrated into animation creation. This chapter will focus on discussing the connection between Longmen Grottoes flying art and animation creation, as well as its application in the field of contemporary animation.

Unique Features of Flying Art in Longmen Grottoes

Richness of artistic expression

As a representative of traditional Chinese grotto art, Longmen Grottoes still occupy an important position in today's art world with its creation style and skills. Among them, the Flying pattern is a form of expression, through exquisite carving and painting techniques, the figures show the posture of Flying, as well as gorgeous and gorgeous decorative effects. This unique form of expression has had a wide-ranging influence in the art world and provided unlimited creative inspiration for later artists.

Allegorical and symbolic connotation

As an important part of the art of Longmen Grottoes, the Flying pattern has rich and far-reaching meanings and symbols. In Chinese culture, "Flying" is often regarded as a symbol of transcendence, representing the pursuit of freedom and sublimation. The flying posture and dynamic expression endow the Feitian pattern

with vigorous spiritual power, making it have strong emotional resonance and shocking power.

The Inheritance and Development of Flying Patterns in Animation Creation

Expression means of animation art

Animation, as a creative method integrating painting, photography, sound and other art forms, provides a wider space for the expression of flying patterns. Through the technical means of animation, the artist can present the Flying pattern in front of the audience in a true and lifelike manner, so that the audience can better feel the artistic beauty and inner charm of the Flying pattern.

Innovations that Enhance Visual Effects

With its rich and varied means of expression and broad imagination space, animation creation has brought new possibilities for the expression of flying patterns. Through the processing of light and shadow, the construction of scenes and the selection of themes, artists can further expand the artistic expression of the Flying pattern, making it have more outstanding visual effects and shocking power. At the same time, elements such as music and sound effects can also be added to the animation creation to further enhance the artistic appeal of the Flying pattern.

Application of Flying Art in Longmen Grottoes in Contemporary Animation

Cultural Inheritance and Innovation

As an important part of Chinese traditional culture, the flying art of Longmen Grottoes has been widely used and inherited in the field of contemporary animation. By combining the Flying pattern with contemporary animation creation techniques, artists can inherit and carry forward traditional culture, and at the same time create unique works, showing the unique charm of Chinese culture in the international animation field.

Transmission and exchange of worldview

As a global art form, animation has rich perspectives and a wide audience. By incorporating the patterns and themes of the flying art of Longmen Grottoes into

animation creation, artists can convey the worldview and values of traditional Chinese culture to audiences around the world. This kind of cross-cultural communication and interaction helps to promote the development of international cultural diversity and deepen mutual understanding and friendship among peoples of various countries.

As a unique expression form of traditional Chinese grotto art, the flying patterns of Longmen Grottoes have a good fit with contemporary animation creation. Through animation creation, artists can inherit and carry forward the tradition of flying art in Longmen Grottoes, while creating unique and charming works. In addition, integrating the flying art of Longmen Grottoes into animation creation will not only help cultural inheritance and exchange, but also broaden the expression of traditional art forms and bring a new artistic experience to the audience.

3.2 The cultural inheritance and innovative exploration of flying patterns in animation

The Flying pattern is a unique art form in traditional Chinese culture, and its origin can be traced back to the Flying art in the Longmen Grottoes in ancient Buddhist art. The Flying pattern plays an important role in the inheritance of Chinese art, and the application in modern animation has brought new life and innovation to this cultural symbol. This chapter will discuss the cultural inheritance and innovation of the Flying pattern in animation, aiming to explore its unique value and charm.

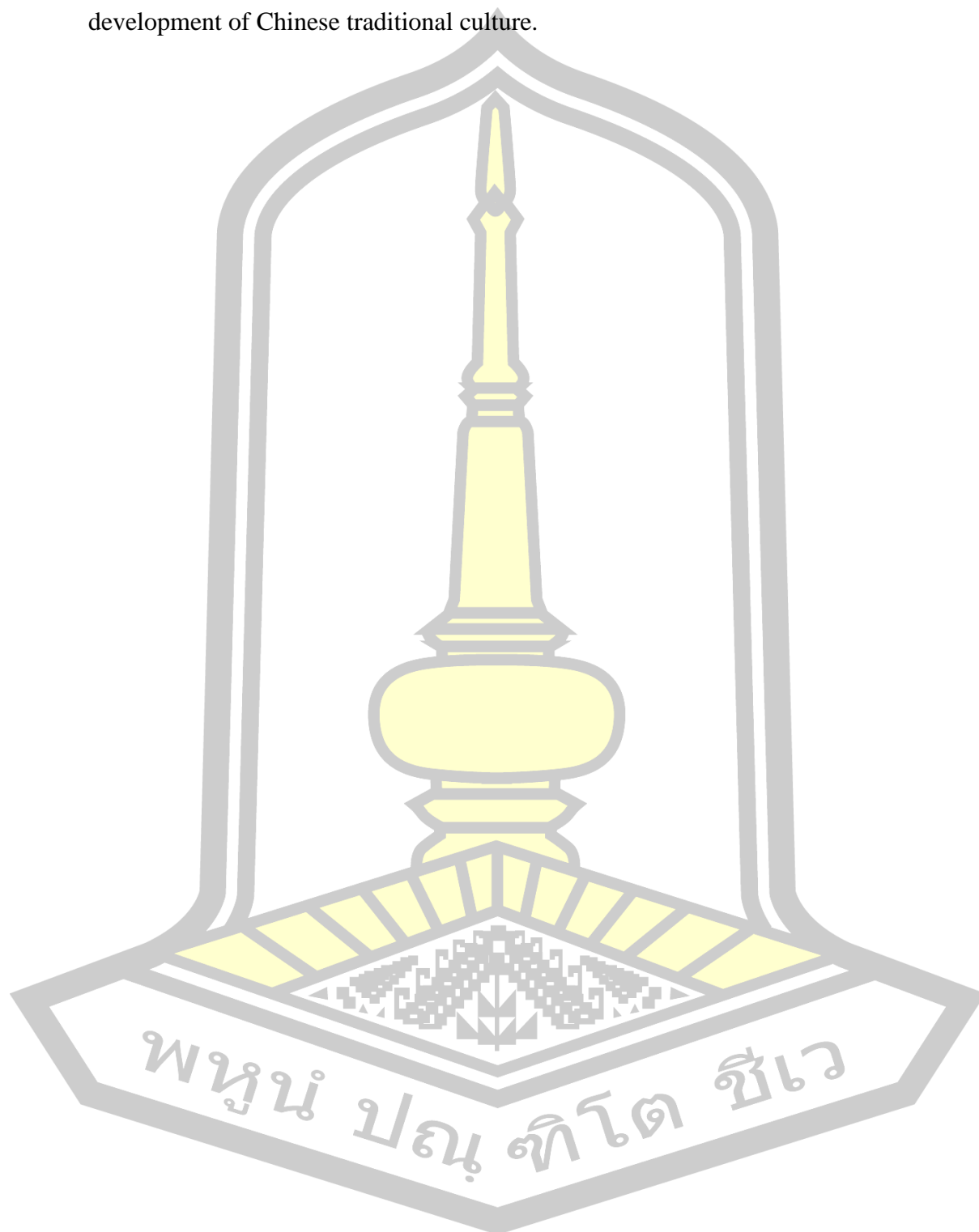
As an important part of Chinese traditional culture, the flying sky pattern has a long history and rich cultural symbols. As part of the flying art of Longmen Grottoes, the flying sky pattern plays an important role in Buddhist teachings, representing the spiritual pursuit of otherworldly and the concept of integration between man and nature. In the animation, the Flying pattern is used in character image design, scene construction, etc., and conveys this spirit and concept to the audience through figurative expressions. The flying sky pattern is not only an art form, but also a transmission and continuation of cultural symbols.

As a modern art form, animation is constantly seeking breakthroughs and innovations. Through the application of the Flying pattern in the animation, we can see that this traditional cultural element glows with new vitality in innovation. In the animation creation, the designers skillfully combined the Flying pattern with modern visual effects, presenting a unique artistic style. For example, in character image design, the designer can use the lines and shape features of the flying sky pattern to endow the character with a holy and solemn temperament. In terms of scene construction, designers can use the image elements in the Flying pattern to create mysterious and fantastic background effects. These innovative attempts not only inherit the cultural connotation of the Feitian pattern, but also endow it with a new way of artistic expression.

The cultural inheritance and innovation of flying patterns in animation is not only reflected in the level of artistic expression, but also in the transmission and promotion of cultural value. As a part of Chinese traditional culture, the Flying symbolizes the wisdom and spirit of the Chinese nation. Through the visual expression of animation, this cultural symbol can be passed on to a wider audience. At the same time, through innovative ways of expression, the Flying pattern in the animation can also break through the limitations of time and space, go abroad and spread to more countries and regions. Such cultural inheritance and innovation not only helps expand the international influence of Chinese traditional culture, but also injects new impetus and creativity into the development of animation art.

In short, the cultural inheritance and innovation of the Flying pattern in animation shows the unique charm and value of Chinese traditional culture. It is not only an important part of Chinese traditional culture, but also a valuable resource in modern art creation. By using the Flying pattern in the animation, we can convey its unique cultural connotation to the audience, and at the same time show its artistic charm in innovation. With the continuous development of the animation industry, we are confident that the application of flying patterns in animation will continue to

explore more possibilities and make greater contributions to the inheritance and development of Chinese traditional culture.



Chapter IV

Integration of Animation Creation and Traditional Art

1 Overview and development of animation creation

As an art form and media expression, animation creation has experienced a long development process and continuous technological innovation. The following will introduce in detail the overview of animation creation and its development process.

1.1 Overview of animation creation:

Animation is an art form that creates motion by continuously playing still images or visual effects of objects changing rapidly over a short period of time. In the form of continuous changes in images and visual illusions, it conveys a dynamic and vivid expression that can attract the attention of the audience and arouse emotional resonance. Animation creation can use a variety of technical means, including hand-drawn animation, computer animation, stop-motion animation, etc., for film, television, advertising, games and other fields.

1.2 The development history of animation creation:

The development of animation creation can be traced back to murals in ancient times, cave paintings and murals in ancient Greece and Rome. However, the origins of modern animation can be traced back to the experimental animation and animated short films of the late 19th and early 20th centuries. Here are some important milestones in animation creation:

Early experimental animation: In the late 19th and early 20th centuries, artists began to create experimental animations, exploring how to create dynamic effects through rapid changes in images. French artist Émile Cohl's *Fantasmagorie* (1908) is considered one of the first hand-drawn animated shorts.

The development of hand-drawn animation: At the beginning of the 20th century, hand-drawn animation became the mainstream animation production method.

Walt Disney's Mickey Mouse (Steamboat Willie (1928), the first animated short film with sound, marked a new era in hand-drawn animation.

The rise of computer animation: With the rapid development of computer technology, computer animation began to emerge. Pixar Animation Studio's "Toy Story" (Toy Story, 1995) is the first fully computer-generated animation film, marking the important position of computer animation in film production.

The innovation of stop-motion animation: stop-motion animation is a technology that forms continuous animation by shooting still objects in different positions or postures, and then playing them frame by frame. Stop-motion animation has unique expressiveness and charm, and is widely used in animation creation. For example, Ray Harryhausen's stop-motion animation "Jason and the Argonauts" (1963) became a classic with its stunning special effects and realistic animation.

Application of innovative technology: With the continuous advancement of science and technology, animation creation also continues to benefit from the application of new technologies. For example, the development of three-dimensional computer graphics technology makes it possible to create more realistic and delicate animation effects, providing more creative possibilities. The emergence of virtual reality technology and augmented reality technology has also brought a new experience and interactive way to animation creation.

1.3 Application fields of animation creation:

Animation creation is widely used in film, television, advertising, games and other fields. Animated films have become popular blockbusters, such as Disney's "The Lion King" (The Lion King, 1994) and Hayao Miyazaki's "Spirited Away" (Spirited Away, 2001). Cartoons also play an important role in the television medium, such as "The Simpsons" (The Simpsons) and "South Park" (South Park). In addition, animation is increasingly used in advertisements and games.

To sum up, after years of development in animation creation, from early experimental animation to the emergence of hand-drawn animation, computer

animation and stop-motion animation, continuous innovation and application of new technologies have expanded its application in various fields. As a unique art form, animation creation not only brings visual enjoyment to the audience, but also conveys emotions and thoughts through images and storylines. In the future, with the further development and innovation of technology, animation creation will continue to usher in new possibilities and challenges.

1.1.1 The origin and development history of animation

The origins of animation can be traced back to ancient times, and there are signs of attempts to capture movement in people's early artwork. However, the development of real animation techniques dates back to the late 19th and early 20th centuries. Here are some key milestones in the origins and history of animation:

1) Predecessors and early experiments (18th century - early 19th century)

Early mechanical toys and contraptions, such as spinning picture wheels and drawing toys, provided inspiration for later animation techniques.

In the early 19th century, Thomas Edison and other inventors developed early video devices, such as Thomas Edison's Kinetoscope, which displayed a continuous series of images.

2) Early hand-drawn animation (early 1900s - 1920s)

In 1906, French artist Émile Cohl created the first hand-drawn animation film "Fantasmagorie", which is considered to be the world's first hand-drawn animation film.

In 1914, American animator Wendell Bell (Winsor McCay) created "Little Nemo's Sleepwalking" (Little Nemo), showing high-quality hand-drawn animation techniques and complex storylines.

3) Appearance of sound and color animation (1920s - 1930s)

In 1928, Walt Disney created the first animated short film with sound, "The Birth of Mickey Mouse" (Steamboat Willie), marking the birth of sound animation.

In 1932, Walt Disney's "Flowers and Trees" (Flowers and Trees) became the world's first color animated short film, using Technicolor, an early color animation technology.

4) The rise of computer animation (1960s - present)

In 1963, American researcher Everett Rogers (Ivan Sutherland) developed Sketchpad, the first computer-generated animation system, which laid the foundation for the development of computer animation.

In the 1970s and 1980s, the advancement of computer graphics and the development of hardware technology promoted the rapid development of computer animation. Pixar Animation Studios set the benchmark for the development of computational animation.

In 1977, the film "Star Wars" by George Lucas introduced revolutionary special effects and computer graphics technology, marking the widespread use of computer generated imagery (CGI) in film production application.

In 1995, Pixar Animation Studios cooperated with Disney to launch the first full-length film "Toy Story", which became the first fully computer-generated animated film and opened the golden age of computer animation.

With the continuous development and innovation of computer technology, computer animation has been widely used in fields such as film, television, games and advertisements, providing creators with greater creative freedom and expressiveness.

During the development of animation, many excellent animation production companies and individuals have emerged, such as Disney, Pixar, DreamWorks, Hayao Miyazaki in Japan, Shanghai Animation Film Studio in China, etc. They have promoted animation through continuous innovation and exploration. The development of art.

1.1.2 Genres and styles of animation creation

Animation creation covers a variety of genres and styles, each genre and style has its own unique characteristics and ways of expression. Here are some common genres and styles of animation creation:

Traditional Animation: Traditional Animation is the most traditional form of animation, which creates animation effects by drawing a hand-drawn image on each frame. This genre includes classic Disney animation and traditional Japanese animation. Hand-painted animation focuses on delicate lines and picture performance, and pursues smooth movements and vivid character images.

Stop Motion Animation: Stop motion animation is a frame-by-frame shooting technique that creates animation effects by moving and adjusting objects in each frame. This genre includes toy animation, clay sculpture animation, and puppet animation. Stop-motion animation is loved for its unique handcrafted feel and the real presence of objects, where each frame is a true representation of the object.

Computer-Generated Animation: Computer-generated animation uses computer graphics and three-dimensional modeling techniques to create virtual animated worlds. This genre includes 3D animation and special effects animation. Computer-generated animation has realistic visual effects and the ability to present complex scenes, and is widely used in film, television, games and other fields.

Experimental Animation: Experimental animation is an exploratory form of creation that creates unique artistic effects by trying new techniques and techniques of expression. This genre includes abstract animation, artistic animation and interactive animation. Experimental animation breaks through the traditional way of expression and pursues personalized artistic style and aesthetic experience.

Motion Graphics: Motion Graphics is a combination of graphic design and animation techniques to convey information and express concepts through motion, transformation, and visual effects. This genre is often used in commercials, TV packaging, and movie titles, among other things. Dynamic graphics focus on

creativity and visual impact, and attract the audience's attention through the dynamic changes of graphic elements.

In addition to the genres and styles listed above, there are many other forms of animation creation, such as hybrid animation mixed with hand-drawn and digital, live-action animation, interactive animation, etc. Each stream, genre and style has its own unique creation methods and performance characteristics. Creators can choose a suitable genre and style according to their own creativity and goals to present the stories and emotions they want to convey.

In hand-drawn animation, artists express a character's movements and expressions by painting each frame. This traditional way of animating requires patience and precise manual skill, but is also capable of delivering images and movements that are full of human emotion.

Stop motion animation creates an animation effect by capturing the movement of a stationary object frame by frame. This method of fabrication requires careful arrangement and adjustment, but is also capable of creating unique object dynamics and visual effects.

Computer-generated animation uses computer graphics and three-dimensional modeling techniques to create virtual animated worlds. Through digital means, creators can precisely control the actions and performance of characters and scenes, presenting realistic visual effects and complex animation scenes.

Experimental animation is a field where creators explore new art forms and means of expression. This kind of animation creation focuses on personalized artistic style and aesthetic experience, and can express emotions and thoughts through abstract and non-traditional ways.

Motion graphics is the combination of graphic design and animation techniques to convey information and express concepts through motion, transformation and visual effects. This creative method is often used in advertising, TV packaging and

movie titles, etc., to attract the audience's attention through the dynamic changes of graphic elements.

Each genre and style has its unique application fields and creation methods, and creators can choose a suitable method for animation creation according to their own ideas and goals. Different genres and styles are also often cross-fused to create more diverse and innovative works.

2 The correlation between traditional art and animation creation

2.1 The forms and skills of traditional art elements in animation

The use of traditional artistic elements in animation is an important creative technique, which can give animation works a unique style and cultural connotation. The following are the expressions and techniques of some common traditional art elements in animation:

2.1.1 The application of traditional artistic painting style in animation

The use of traditional art painting style in animation is a common and unique creative technique. Here are some common forms and techniques of traditional art drawing styles used in animation:

Ink painting style: Ink painting is an important form of traditional Chinese art. It expresses unique emotions and artistic conceptions with the depth of ink and the rendering of ink. In the animation, the artist can use the brushstrokes and ink colors of ink painting to present the picture, creating a classical and elegant atmosphere. By using the characteristics of ink painting, such as dry brush, wet brush, combination of virtual and real, etc., it is possible to create a soft and poetic picture effect.

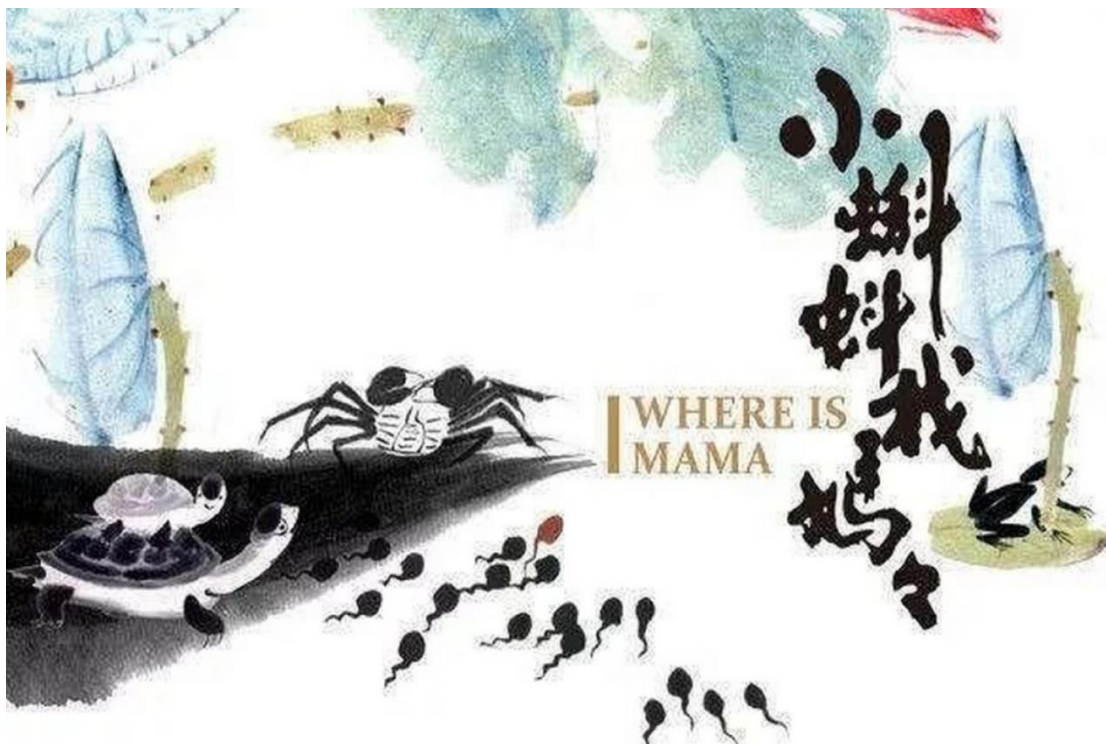


Figure 12 Ink animation "where is mother"

Source: <https://baike.sogou.com/m/fullLemma?lid=8230245>

Japanese Ukiyo-e Style: Japanese Ukiyo-e is a form of painting from the Edo period known for its bright colors, flat compositions, and vivid expressive style. In animation, artists can learn from Ukiyo-e's use of color and line expression to create a bright and full picture effect. By using the characteristics of Ukiyo-e, such as emphasizing color contrast, using bright flat colors and other techniques, it is possible to create an animation picture full of Japanese cultural characteristics.

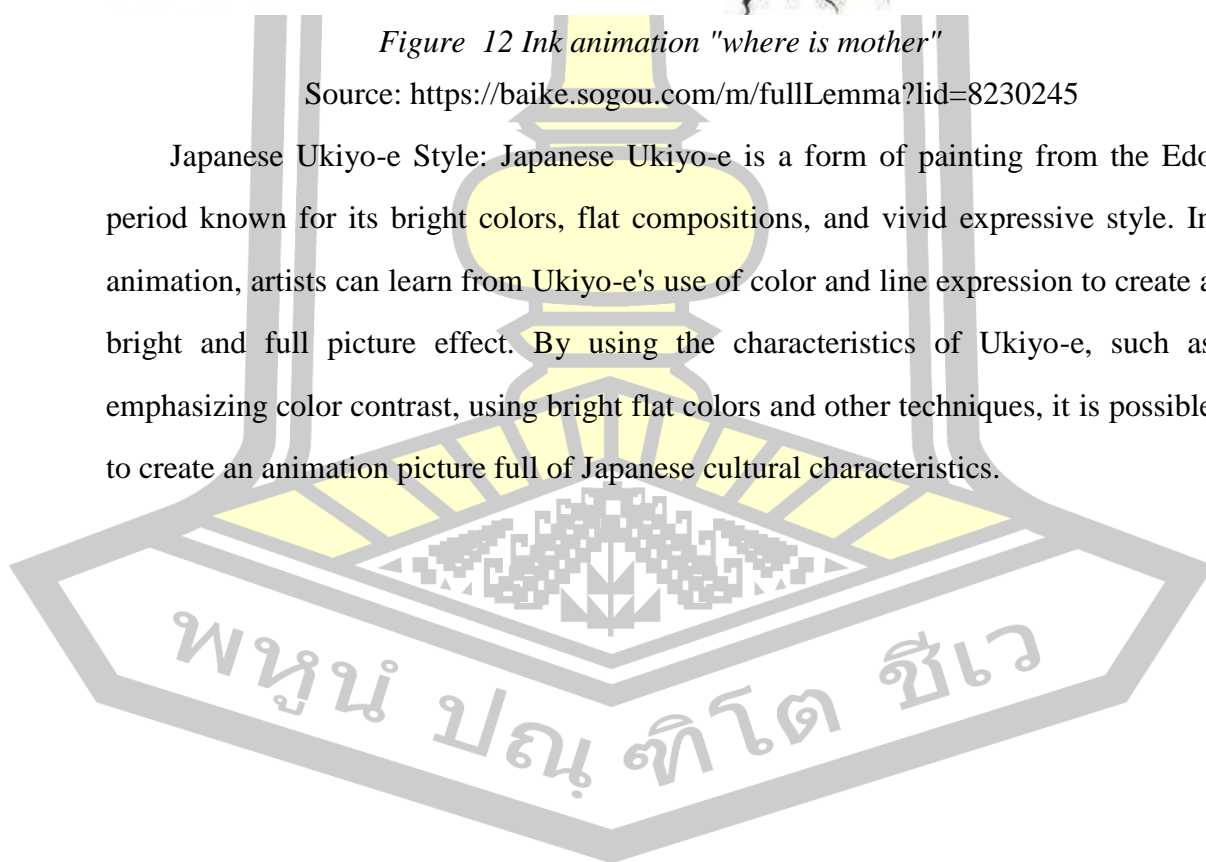




Figure 13 Ukiyo-e animation

Source: <https://www.cool3c.com/article/95840>

Oil painting style: Oil painting is an important form in the Western painting tradition, known for its rich color levels and fine details. In animation, artists can use the color rendering and layered expression of oil painting to create rich and three-dimensional picture effects. By using the characteristics of oil painting, such as the use of light and dark contrast, delicate brushstrokes and other techniques, it is possible to create delicate and textured animation images.

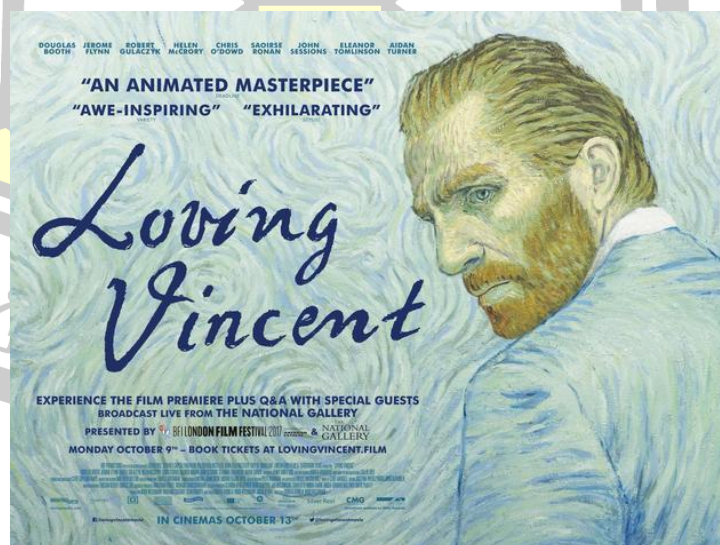


Figure 14 Oil painting style animation "Love Van Gogh"

Source: <http://doc.sina.cn/?id=comos:fypxrpp3401355>

Graphic art style: Graphic art is an art form that emphasizes graphic composition and decoration, and is often found in traditional Chinese painting, ceramic drawing and embroidery. In animation, artists can draw on the lines and patterns of graphic art to create decorative and graphic effects. By using the characteristics of graphic art, such as fine decoration performance, bold pattern combination and other techniques, unique and visually impactful animation images can be created.

Flat art style animation

The above are some common application forms and techniques of traditional art painting style in animation. Artists can choose a suitable traditional art painting style according to the theme and style of animation works, and use related techniques to create unique picture effects.

In terms of application, by cleverly integrating the aesthetic elements of traditional art and the expressive techniques of animation creation, animation works can show rich cultural connotations and artistic charm. The application of traditional art painting styles in animation can cover many aspects:

Line expression: Line expression in traditional art often emphasizes the smoothness and change of strokes, which can be applied to animation. Artists can create unique artistic styles and visual effects by drawing flowing lines, varying stroke thickness, and line direction. For example, drawing on the artistic conception in Chinese landscape painting, using free and curved lines to describe the landscape elements in landscape animation.

Use of color: The use of color in traditional art painting often has distinct personality and unique emotional expression. Artists can learn from the color combination and color expression skills of traditional painting and apply them to animation. By choosing a specific color palette, using chiaroscuro and variations in color saturation, rich color layers and emotional atmospheres are created.

Decorative elements: Traditional art often focuses on the use of decorative elements, such as patterns, patterns and ornamentation. Artists can apply decorative

elements in traditional art to animation, creating unique visual effects and rich details. For example, adding traditional art decorations to the character design, or using traditional art patterns as background elements in the scene.

Artistic conception and atmosphere: Traditional works of art often create unique artistic conception and atmosphere through composition, light and shadow and space performance. Artists can learn from the composition techniques and spatial processing of traditional art and apply them to animation to create a picture effect with depth and three-dimensionality. Create emotional and story-rich animated scenes by using specific lighting effects, background details, and perspective manipulation.

Symbols and symbolic meanings: Traditional art often contains rich symbols and symbolic meanings, representing specific cultures and values. Artists can borrow symbols and symbolism from traditional art and apply them to animation to express specific themes and emotions. By using specific symbol patterns, symbolic actions or items, the cultural connotation and emotional expression of animation can be enriched.

By using the skills and elements of traditional art painting styles, animation works can present a unique aesthetic style and artistic value. Artists can choose the appropriate traditional art painting style according to the theme and style of the work, and create animation pictures with depth and unique charm by skillfully using related techniques and elements. This way of integrating traditional art and animation creation not only enriches the artistic expression of animation works, but also promotes the inheritance and development of traditional art.

2.1.2 Application of traditional art sculptures and crafts in animation

In animation creation, traditional art sculptures and handicrafts play an important role, injecting unique artistic and cultural elements into the works.

First of all, traditional art sculpture plays an important role in animation character design. Traditional sculpture works are famous for their exquisite carving skills and lifelike shapes. Artists can use traditional sculpture modeling skills to create

a unique artistic style and three-dimensional sense through sculptural character design and scene construction. Drawing lessons from the sculpture shapes in ancient Chinese stone carvings, it is applied to the character design, so that the characters have a three-dimensional sense and historical and cultural connotations.

Secondly, traditional art sculptures also provide valuable resources for the creation of animation scenes. Architectural styles, ornamental motifs, and decorative elements found in traditional sculpture can serve as inspiration for animated scenes. Artists can refer to the architectural forms and decorative details in traditional sculptures and incorporate them into the design of animation scenes to create a background with a strong historical and cultural atmosphere. The unique design and exquisite details of traditional sculpture can give the scene a unique visual charm and cultural connotation.

In addition, traditional arts and crafts also play an important role in animation creation. Handicrafts are widely appreciated for their exquisite craftsmanship and exquisite ornamentation. Artists can draw inspiration from traditional crafts and apply their ornamental patterns and decorative elements to character design, costume design and scene layout. The unique patterns and decorative elements of traditional handicrafts add rich details and cultural connotations to the characters and scenes, and enhance the artistic quality and appreciation value of the works.

The application of traditional art sculptures and handicrafts enriches the visual expression and cultural connotation of animation works. Artists create unique and artistic character images and scene designs by fusing traditional art elements. This fusion not only brings visual beauty to the work, but also conveys deep cultural information and aesthetic values. At the same time, the application of traditional art also promotes the inheritance and development of traditional culture, allowing the audience to have a deeper understanding and appreciation of the charm of ancient Chinese art.

By fully tapping the potential of traditional art sculptures and crafts in animation, artists can create more artistic and unique works, bringing audiences a richer and deeper visual experience. The integration and innovation of traditional art makes animation works more cultural and artistic value, and injects new vitality into the inheritance and development of traditional art. At the same time, the combination of traditional art and animation creation also provides a powerful means to promote the dissemination and promotion of traditional culture.

2.2 Inspiration and influence of traditional art on animation creation

When studying the relationship between the narrative structure and the animation plot in traditional art related to the flying art of Longmen Grottoes, we can not only deeply explore the characteristics of the ancient artwork itself, but also gain insight into human desire for storytelling and expressiveness. way of commonality. This chapter aims to analyze this connection in detail and explore how this connection is manifested in traditional art and animation plots.

Traditional art, especially the flying art of Longmen Grottoes, occupies an important position in Chinese culture with its unique form and expression. Often presented in relief, these works represent various storylines and myths and legends through depiction and sculpture. These stories are often presented in a coherent manner, depicting the development and transformation of the plot through the arrangement of physical images and the construction of scenes. At the same time, these works of art also convey a certain amount of moral education and spiritual guidance. By depicting heroes, myths and historical events, they arouse people's yearning for beautiful things and noble behaviors.

Animated drama is a relatively new art form compared to traditional art. However, despite the differences in the two forms of expression, they both uphold the essence of narrative. Animated stories use the combination of image and sound to tell a storyline and express emotion in a way that is visually vivid and engaging to the audience. Similar to the narrative structure in traditional works of art, animation plots

also rely on a coherent story line, as well as the shaping of characters and the setting of scenes.

The connection between traditional art and animation plot can be discussed from multiple dimensions. First of all, both use specific artistic techniques and techniques to describe the appearance, expressions and movements of the characters to achieve the presentation of the plot. Whether it is the sculpting skills in traditional art, or the painting and animation production techniques in animation plots, it is all about conveying emotions and story information to the audience. Secondly, both pay attention to the design and performance of the scene, and there are similarities in the arrangement of physical space and the use of visual elements. Whether it is the rock structure and background details in the Longmen Grottoes, or the fictional locations and background settings in the animation plot, they all provide the necessary support and foil for the storyline.

In addition, both traditional art and animation plots have a strong narrative purpose and meaning. They convey specific information and values to the audience through the development and turning of the plot. Whether it is the religious and philosophical ideas conveyed in traditional art works, or the exploration of social issues and human nature explored in animation plots, they all provide the audience with opportunities for in-depth thinking and experience.

The flying art of Longmen Grottoes is famous for its unique narrative structure and artistic style. They engage audiences by bringing together various story elements and plot characters to create vivid and lifelike scenes. There is something in common between the connection of this special narrative structure and the narrative structure of the animation plot. Animated plots use creativity and technical means to convey storylines in the form of images and sounds, and to reveal emotions and contradictions through the development of characters and plots.

In the dissertation, taking the connection between the narrative structure in traditional art and the plot of animation as a chapter theme can help us better

understand the essence and commonalities of these two art forms. Through the in-depth study of the flying art in Longmen Grottoes and the analysis of the animation plot, we can recognize the similarities in narrative structure between traditional art and animation plot, and their importance for cultural inheritance and story transmission. Such research can not only broaden our academic horizons, but also help promote the innovation and development of traditional art and animation plots.

In summary, there is a close relationship between the narrative structure in traditional art and the plot of animation. Whether in ancient art works or in contemporary animation plots, they express stories and emotions through the development of plots, the shaping of characters, and the use of visual effects. By studying the connection between the narrative structure in traditional art related to the flying art of Longmen Grottoes and the animation plot, we can explore this relationship in depth and their importance for cultural inheritance and artistic expression. Such research helps to promote the exchange and development of traditional art and animation plots, and at the same time broadens our understanding and appreciation of narrative art.

With the continuous advancement of science and technology and the rapid development of society, animation aesthetics, as a special art form, plays an increasingly important role in contemporary culture. As the predecessor of animation aesthetics, traditional art has had a profound impact on its development. This chapter will focus on the influence of the aesthetic value of traditional art on animation aesthetics, and take the flying art of Longmen Grottoes as an example to elaborate.

First of all, the flying art of Longmen Grottoes is an important part of traditional Chinese art, and its unique aesthetic value has played a positive role in promoting the development of animation aesthetics. Longmen Grottoes is one of the treasure houses of ancient Chinese art, famous for its exquisite reliefs and murals. The image of Flying has attracted many viewers with its vivid, mysterious and long historical background. These flying images are not only a beautiful visual art form, but also

contain profound cultural connotations and philosophical thinking, bringing people's thinking and understanding of life and nature. The animation aesthetics draws lessons from the aesthetic characteristics of the flying art in Longmen Grottoes, thus creating a variety of characters and scenes, so that the audience can gain more spiritual enjoyment in the process of appreciating animation works.

Secondly, the influence of the aesthetic value of traditional art on animation aesthetics is reflected in the introduction and expansion of artistic expression techniques. The expression techniques of traditional art forms are diverse and creative, which provides rich inspiration and reference for the development of animation aesthetics. In the art of Flying in the Longmen Grottoes, artists used techniques such as stone carving reliefs and murals to shape the image of Flying to life, with a sense of three-dimensionality and movement. Traditional art pays attention to the grasp of details and exquisite craftsmanship, and this spirit has been inherited and developed in animation aesthetics. Animation estheticians have borrowed traditional artistic expression techniques, and through the use of dynamic pictures and special effects, they have created unique visual effects and improved the artistry and appreciation of the works.

In addition to the introduction and expansion of artistic techniques, traditional art also has a positive impact on the storytelling of animation aesthetics. Traditional art brings profound emotional experience to the audience with its rich stories and unique narrative methods. Most of the mural stories in the Flying Art of Longmen Grottoes are based on Buddhist themes. Through delicate lines and emotionally rich characters, they show various differences in life and convey cultural values and thinking. Animation aesthetics draws on the storytelling of traditional art, and through the arrangement of the plot, the portrayal of the characters and the expression of emotions, the audience can deeply participate in the story and resonate. This kind of emotional resonance makes the animation work more appealing and attractive, and improves the artistic expression of the work.

To sum up, the influence of the aesthetic value of traditional art on animation aesthetics cannot be ignored. Taking the flying art of Longmen Grottoes as an example, its unique aesthetic characteristics, diverse artistic expression techniques and rich storytelling forms have played a positive role in promoting the development of animation aesthetics. The combination of traditional art and animation aesthetics can not only enrich the form and content of animation works, but also convey deeper cultural connotations and philosophical thinking. Therefore, in the process of researching and developing animation aesthetics, we should seriously study the aesthetic value of traditional art, learn from it and inherit it, in order to promote the continuous progress and innovation of animation aesthetics.

3 The Potential and Challenges of Luoyang Longmen Grottoes Flying Patterns in Animation Creation

The Longmen Grottoes in Luoyang, as the jewel in the treasure house of ancient Chinese art, are famous all over the world for their unique artistic style and excellent artistic expression ability. Among them, the flying pattern of Longmen Grottoes, as an important artistic element, has distinctive features and unique forms of expression. With the development and prosperity of animation art, people began to explore the possibility of integrating the flying patterns of Longmen Grottoes into animation creation. This chapter will discuss the potential and challenges of the flying patterns in Longmen Grottoes in Luoyang in animation creation.

The Uniqueness of the Flying Pattern in the Longmen Grottoes in Luoyang The Flying pattern in the Longmen Grottoes in Luoyang is a typical figure image in ancient Chinese art. It is characterized by beautiful and unique image, strong ornamental value and rich meaning. These flying images often show the posture of flying freely and flying in the sky in the murals, giving people a mysterious and lofty feeling. In animation creation, with the help of modern technology, the flying patterns

of Longmen Grottoes can be vividly presented on the screen, so that the audience has an immersive feeling.

The Potential of Flying Patterns in Longmen Grottoes in Luoyang in Animation Creation

Inheriting traditional culture: The flying patterns of Longmen Grottoes in Luoyang are an important part of Chinese traditional culture. Integrating it into animation creation can inherit and carry forward Chinese traditional culture, and arouse the audience's sense of identity and emotional resonance with traditional art.

Rich artistic expression: The flying patterns of Longmen Grottoes in Luoyang have unique images and far-reaching meanings, and these images can be perfectly presented through animation. With the special effects of animation, the scene of flying in the sky can be shown, creating a mysterious and spectacular artistic atmosphere.

Improve appreciation: animation works are a kind of visual art, compared with traditional art, its appreciation is stronger. By integrating the flying patterns of Luoyang Longmen Grottoes into the animation, the audience's visual enjoyment of the work can be deepened, and the attraction and influence of the work can be enhanced.

The challenges faced in the animation creation of the flying patterns in the Longmen Grottoes in Luoyang

Maintain the original style: The flying patterns of the Longmen Grottoes in Luoyang have a unique artistic style, but when integrating them into animation creation, it is necessary to balance the need to maintain the original style and adapt to the animation performance. This requires animation creators to have a certain degree of artistic accomplishment and creativity in order to achieve artistic harmony.

Difficulty in technical realization: The characteristics of the flying patterns in the Longmen Grottoes determine the need for advanced technical means in the animation creation process. This puts higher demands on the animator's technical ability, and it

is necessary to master complex special effects production technology to achieve the best presentation effect of the Flying pattern in the animation.

Cultural Interpretation and Communication: The flying patterns of Longmen Grottoes in Luoyang contain rich cultural connotations, but it is a challenge to convey them to the audience reasonably. Animation creators need to study the artistic background and meaning of Longmen Grottoes in detail in the creation to ensure the accuracy and completeness of the communication.

The flying patterns of Longmen Grottoes in Luoyang have great potential and creative space in animation creation. Through the integration of tradition and modernity, art and technology, animation works rich in ornamental and expressive force can be created. However, at the same time, some challenges must be faced, including maintaining the original style, difficulty in technical realization, and cultural interpretation and communication. Only by overcoming these challenges and giving full play to the potential of the flying patterns of Longmen Grottoes in Luoyang in animation creation can we create animation works with more artistic value and cultural connotation, and contribute to the inheritance and innovation of Chinese traditional culture.

3.1 The artistic expression of Flying pattern and the meeting point of animation creation

In traditional Chinese art, Longmen Grottoes Flying Art, as an important form of artistic expression, has attracted much attention for its unique creative style and exquisite skills. With the development of technology and the evolution of art, the artistic expression of flying patterns has gradually been integrated into animation creation. This chapter will focus on discussing the connection between Longmen Grottoes flying art and animation creation, as well as its application in the field of contemporary animation.

Unique Features of Flying Art in Longmen Grottoes

Richness of artistic expression

As a representative of traditional Chinese grotto art, Longmen Grottoes still occupy an important position in today's art world with its creation style and skills. Among them, the Flying pattern is a form of expression, through exquisite carving and painting techniques, the figures show the posture of Flying, as well as gorgeous and gorgeous decorative effects. This unique form of expression has had a wide-ranging influence in the art world and provided unlimited creative inspiration for later artists.

Allegorical and symbolic connotation

As an important part of the art of Longmen Grottoes, the Flying pattern has rich and far-reaching meanings and symbols. In Chinese culture, "Flying" is often regarded as a symbol of transcendence, representing the pursuit of freedom and sublimation. The flying posture and dynamic expression endow the Feitian pattern with vigorous spiritual power, making it have strong emotional resonance and shocking power.

The Inheritance and Development of Flying Patterns in Animation Creation

Expression means of animation art

Animation, as a creative method integrating painting, photography, sound and other art forms, provides a wider space for the expression of flying patterns. Through the technical means of animation, the artist can present the Flying pattern in front of the audience in a true and lifelike manner, so that the audience can better feel the artistic beauty and inner charm of the Flying pattern.

Innovations that Enhance Visual Effects

With its rich and varied means of expression and broad imagination space, animation creation has brought new possibilities for the expression of flying patterns. Through the processing of light and shadow, the construction of scenes and the selection of themes, artists can further expand the artistic expression of the Flying pattern, making it have more outstanding visual effects and shocking power. At the

same time, elements such as music and sound effects can also be added to the animation creation to further enhance the artistic appeal of the Flying pattern.

Application of Flying Art in Longmen Grottoes in Contemporary Animation Cultural Inheritance and Innovation

As an important part of Chinese traditional culture, the flying art of Longmen Grottoes has been widely used and inherited in the field of contemporary animation. By combining the Flying pattern with contemporary animation creation techniques, artists can inherit and carry forward traditional culture, and at the same time create unique works, showing the unique charm of Chinese culture in the international animation field.

Transmission and exchange of worldview

As a global art form, animation has rich perspectives and a wide audience. By incorporating the patterns and themes of the flying art of Longmen Grottoes into animation creation, artists can convey the worldview and values of traditional Chinese culture to audiences around the world. This kind of cross-cultural communication and interaction helps to promote the development of international cultural diversity and deepen mutual understanding and friendship among peoples of various countries.

As a unique expression form of traditional Chinese grotto art, the flying patterns of Longmen Grottoes have a good fit with contemporary animation creation. Through animation creation, artists can inherit and carry forward the tradition of flying art in Longmen Grottoes, while creating unique and charming works. In addition, integrating the flying art of Longmen Grottoes into animation creation will not only help cultural inheritance and exchange, but also broaden the expression of traditional art forms and bring a new artistic experience to the audience.

3.2 The cultural inheritance and innovative exploration of flying patterns in animation

The Flying pattern is a unique art form in traditional Chinese culture, and its origin can be traced back to the Flying art in the Longmen Grottoes in ancient

Buddhist art. The Flying pattern plays an important role in the inheritance of Chinese art, and the application in modern animation has brought new life and innovation to this cultural symbol. This chapter will discuss the cultural inheritance and innovation of the Flying pattern in animation, aiming to explore its unique value and charm.

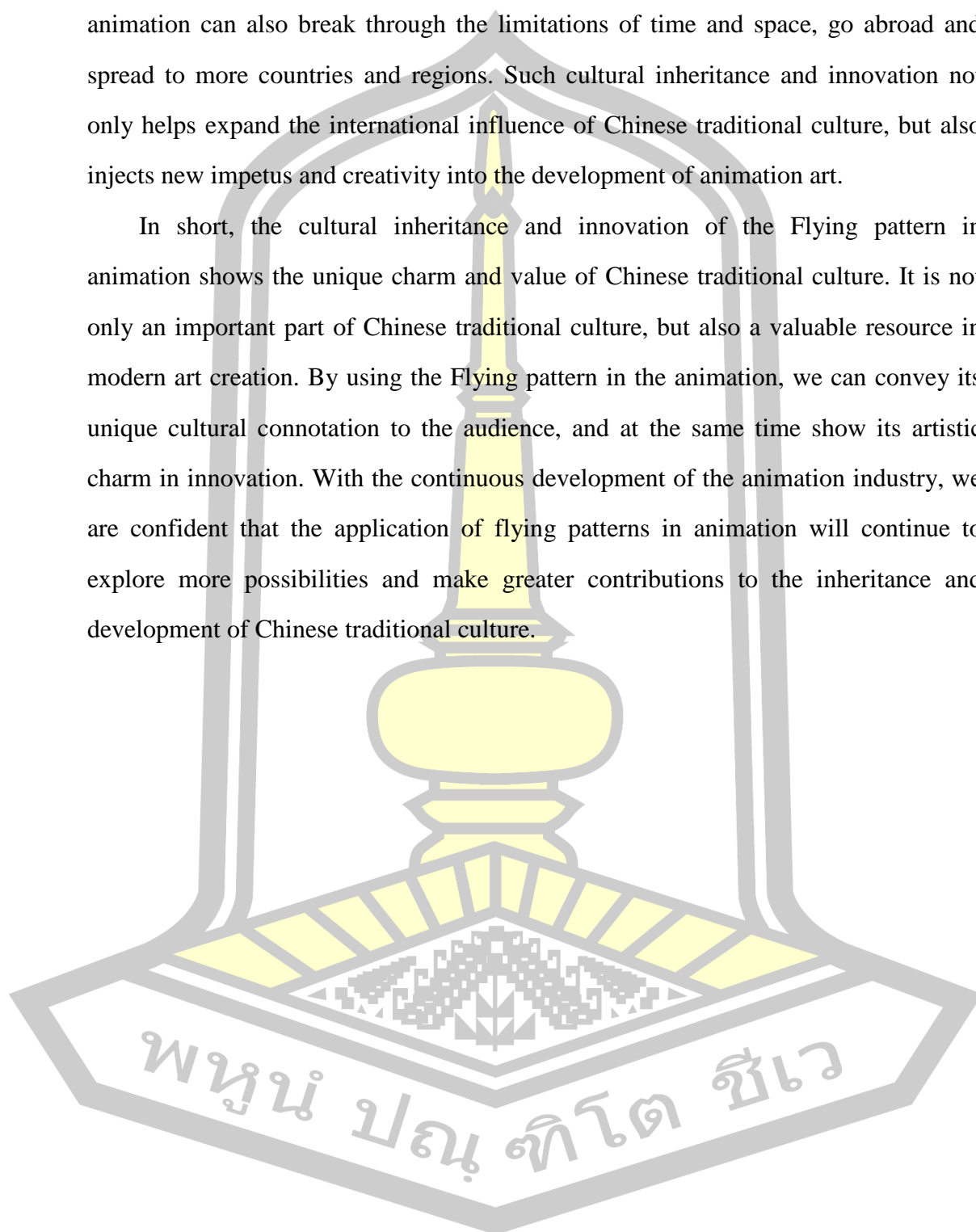
As an important part of Chinese traditional culture, the flying sky pattern has a long history and rich cultural symbols. As part of the flying art of Longmen Grottoes, the flying sky pattern plays an important role in Buddhist teachings, representing the spiritual pursuit of otherworldly and the concept of integration between man and nature. In the animation, the Flying pattern is used in character image design, scene construction, etc., and conveys this spirit and concept to the audience through figurative expressions. The flying sky pattern is not only an art form, but also a transmission and continuation of cultural symbols.

As a modern art form, animation is constantly seeking breakthroughs and innovations. Through the application of the Flying pattern in the animation, we can see that this traditional cultural element glows with new vitality in innovation. In the animation creation, the designers skillfully combined the Flying pattern with modern visual effects, presenting a unique artistic style. For example, in character image design, the designer can use the lines and shape features of the flying sky pattern to endow the character with a holy and solemn temperament. In terms of scene construction, designers can use the image elements in the Flying pattern to create mysterious and fantastic background effects. These innovative attempts not only inherit the cultural connotation of the Feitian pattern, but also endow it with a new way of artistic expression.

The cultural inheritance and innovation of flying patterns in animation is not only reflected in the level of artistic expression, but also in the transmission and promotion of cultural value. As a part of Chinese traditional culture, the Flying symbolizes the wisdom and spirit of the Chinese nation. Through the visual expression of animation, this cultural symbol can be passed on to a wider audience. At

the same time, through innovative ways of expression, the Flying pattern in the animation can also break through the limitations of time and space, go abroad and spread to more countries and regions. Such cultural inheritance and innovation not only helps expand the international influence of Chinese traditional culture, but also injects new impetus and creativity into the development of animation art.

In short, the cultural inheritance and innovation of the Flying pattern in animation shows the unique charm and value of Chinese traditional culture. It is not only an important part of Chinese traditional culture, but also a valuable resource in modern art creation. By using the Flying pattern in the animation, we can convey its unique cultural connotation to the audience, and at the same time show its artistic charm in innovation. With the continuous development of the animation industry, we are confident that the application of flying patterns in animation will continue to explore more possibilities and make greater contributions to the inheritance and development of Chinese traditional culture.



Chapter V

Integration of Animation Creation and Traditional Art

1 Overview and development of animation creation

As an art form and media expression, animation creation has experienced a long development process and continuous technological innovation. The following will introduce in detail the overview of animation creation and its development process.

1.1 Overview of animation creation:

Animation is an art form that creates motion by continuously playing still images or visual effects of objects changing rapidly over a short period of time. In the form of continuous changes in images and visual illusions, it conveys a dynamic and vivid expression that can attract the attention of the audience and arouse emotional resonance. Animation creation can use a variety of technical means, including hand-drawn animation, computer animation, stop-motion animation, etc., for film, television, advertising, games and other fields.

1.2 The development history of animation creation:

The development of animation creation can be traced back to murals in ancient times, cave paintings and murals in ancient Greece and Rome. However, the origins of modern animation can be traced back to the experimental animation and animated short films of the late 19th and early 20th centuries. Here are some important milestones in animation creation:

Early experimental animation: In the late 19th and early 20th centuries, artists began to create experimental animations, exploring how to create dynamic effects through rapid changes in images. French artist Émile Cohl's *Fantasmagorie* (1908) is considered one of the first hand-drawn animated shorts.

The development of hand-drawn animation: At the beginning of the 20th century, hand-drawn animation became the mainstream animation production method.

Walt Disney's Mickey Mouse (Steamboat Willie (1928), the first animated short film with sound, marked a new era in hand-drawn animation.

The rise of computer animation: With the rapid development of computer technology, computer animation began to emerge. Pixar Animation Studio's "Toy Story" (Toy Story, 1995) is the first fully computer-generated animation film, marking the important position of computer animation in film production.

The innovation of stop-motion animation: stop-motion animation is a technology that forms continuous animation by shooting still objects in different positions or postures, and then playing them frame by frame. Stop-motion animation has unique expressiveness and charm, and is widely used in animation creation. For example, Ray Harryhausen's stop-motion animation "Jason and the Argonauts" (1963) became a classic with its stunning special effects and realistic animation.

Application of innovative technology: With the continuous advancement of science and technology, animation creation also continues to benefit from the application of new technologies. For example, the development of three-dimensional computer graphics technology makes it possible to create more realistic and delicate animation effects, providing more creative possibilities. The emergence of virtual reality technology and augmented reality technology has also brought a new experience and interactive way to animation creation.

1.3 Application fields of animation creation:

Animation creation is widely used in film, television, advertising, games and other fields. Animated films have become popular blockbusters, such as Disney's "The Lion King" (The Lion King, 1994) and Hayao Miyazaki's "Spirited Away" (Spirited Away, 2001). Cartoons also play an important role in the television medium, such as "The Simpsons" (The Simpsons) and "South Park" (South Park). In addition, animation is increasingly used in advertisements and games.

To sum up, after years of development in animation creation, from early experimental animation to the emergence of hand-drawn animation, computer

animation and stop-motion animation, continuous innovation and application of new technologies have expanded its application in various fields. As a unique art form, animation creation not only brings visual enjoyment to the audience, but also conveys emotions and thoughts through images and storylines. In the future, with the further development and innovation of technology, animation creation will continue to usher in new possibilities and challenges.

1.3.1 The origin and development history of animation

The origins of animation can be traced back to ancient times, and there are signs of attempts to capture movement in people's early artwork. However, the development of real animation techniques dates back to the late 19th and early 20th centuries. Here are some key milestones in the origins and history of animation:

1) Predecessors and early experiments (18th century - early 19th century)

Early mechanical toys and contraptions, such as spinning picture wheels and drawing toys, provided inspiration for later animation techniques.

In the early 19th century, Thomas Edison and other inventors developed early video devices, such as Thomas Edison's Kinetoscope, which displayed a continuous series of images.

2) Early hand-drawn animation (early 1900s - 1920s)

In 1906, French artist Émile Cohl created the first hand-drawn animation film "Fantasmagorie", which is considered to be the world's first hand-drawn animation film.

In 1914, American animator Wendell Bell (Winsor McCay) created "Little Nemo's Sleepwalking" (Little Nemo), showing high-quality hand-drawn animation techniques and complex storylines.

3) Appearance of sound and color animation (1920s - 1930s)

In 1928, Walt Disney created the first animated short film with sound, "The Birth of Mickey Mouse" (Steamboat Willie), marking the birth of sound animation.

In 1932, Walt Disney's "Flowers and Trees" (Flowers and Trees) became the world's first color animated short film, using Technicolor, an early color animation technology.

4) The rise of computer animation (1960s - present)

In 1963, American researcher Everett Rogers (Ivan Sutherland) developed Sketchpad, the first computer-generated animation system, which laid the foundation for the development of computer animation.

In the 1970s and 1980s, the advancement of computer graphics and the development of hardware technology promoted the rapid development of computer animation. Pixar Animation Studios set the benchmark for the development of computational animation.

In 1977, the film "Star Wars" by George Lucas introduced revolutionary special effects and computer graphics technology, marking the widespread use of computer generated imagery (CGI) in film production application.

In 1995, Pixar Animation Studios cooperated with Disney to launch the first full-length film "Toy Story", which became the first fully computer-generated animated film and opened the golden age of computer animation.

With the continuous development and innovation of computer technology, computer animation has been widely used in fields such as film, television, games and advertisements, providing creators with greater creative freedom and expressiveness.

During the development of animation, many excellent animation production companies and individuals have emerged, such as Disney, Pixar, DreamWorks, Hayao Miyazaki in Japan, Shanghai Animation Film Studio in China, etc. They have promoted animation through continuous innovation and exploration. The development of art.

1.3.2 Genres and styles of animation creation

Animation creation covers a variety of genres and styles, each genre and style has its own unique characteristics and ways of expression. Here are some common genres and styles of animation creation:

Traditional Animation: Traditional Animation is the most traditional form of animation, which creates animation effects by drawing a hand-drawn image on each frame. This genre includes classic Disney animation and traditional Japanese animation. Hand-painted animation focuses on delicate lines and picture performance, and pursues smooth movements and vivid character images.

Stop Motion Animation: Stop motion animation is a frame-by-frame shooting technique that creates animation effects by moving and adjusting objects in each frame. This genre includes toy animation, clay sculpture animation, and puppet animation. Stop-motion animation is loved for its unique handcrafted feel and the real presence of objects, where each frame is a true representation of the object.

Computer-Generated Animation: Computer-generated animation uses computer graphics and three-dimensional modeling techniques to create virtual animated worlds. This genre includes 3D animation and special effects animation. Computer-generated animation has realistic visual effects and the ability to present complex scenes, and is widely used in film, television, games and other fields.

Experimental Animation: Experimental animation is an exploratory form of creation that creates unique artistic effects by trying new techniques and techniques of expression. This genre includes abstract animation, artistic animation and interactive animation. Experimental animation breaks through the traditional way of expression and pursues personalized artistic style and aesthetic experience.

Motion Graphics: Motion Graphics is a combination of graphic design and animation techniques to convey information and express concepts through motion, transformation, and visual effects. This genre is often used in commercials, TV packaging, and movie titles, among other things. Dynamic graphics focus on

creativity and visual impact, and attract the audience's attention through the dynamic changes of graphic elements.

In addition to the genres and styles listed above, there are many other forms of animation creation, such as hybrid animation mixed with hand-drawn and digital, live-action animation, interactive animation, etc. Each stream, genre and style has its own unique creation methods and performance characteristics. Creators can choose a suitable genre and style according to their own creativity and goals to present the stories and emotions they want to convey.

In hand-drawn animation, artists express a character's movements and expressions by painting each frame. This traditional way of animating requires patience and precise manual skill, but is also capable of delivering images and movements that are full of human emotion.

Stop motion animation creates an animation effect by capturing the movement of a stationary object frame by frame. This method of fabrication requires careful arrangement and adjustment, but is also capable of creating unique object dynamics and visual effects.

Computer-generated animation uses computer graphics and three-dimensional modeling techniques to create virtual animated worlds. Through digital means, creators can precisely control the actions and performance of characters and scenes, presenting realistic visual effects and complex animation scenes.

Experimental animation is a field where creators explore new art forms and means of expression. This kind of animation creation focuses on personalized artistic style and aesthetic experience, and can express emotions and thoughts through abstract and non-traditional ways.

Motion graphics is the combination of graphic design and animation techniques to convey information and express concepts through motion, transformation and visual effects. This creative method is often used in advertising, TV packaging and

movie titles, etc., to attract the audience's attention through the dynamic changes of graphic elements.

Each genre and style has its unique application fields and creation methods, and creators can choose a suitable method for animation creation according to their own ideas and goals. Different genres and styles are also often cross-fused to create more diverse and innovative works.

2 The correlation between traditional art and animation creation

2.1 The forms and skills of traditional art elements in animation

The use of traditional artistic elements in animation is an important creative technique, which can give animation works a unique style and cultural connotation. The following are the expressions and techniques of some common traditional art elements in animation:

2.1.1 The application of traditional artistic painting style in animation

The use of traditional art painting style in animation is a common and unique creative technique. Here are some common forms and techniques of traditional art drawing styles used in animation:

Ink painting style: Ink painting is an important form of traditional Chinese art. It expresses unique emotions and artistic conceptions with the depth of ink and the rendering of ink. In the animation, the artist can use the brushstrokes and ink colors of ink painting to present the picture, creating a classical and elegant atmosphere. By using the characteristics of ink painting, such as dry brush, wet brush, combination of virtual and real, etc., it is possible to create a soft and poetic picture effect.

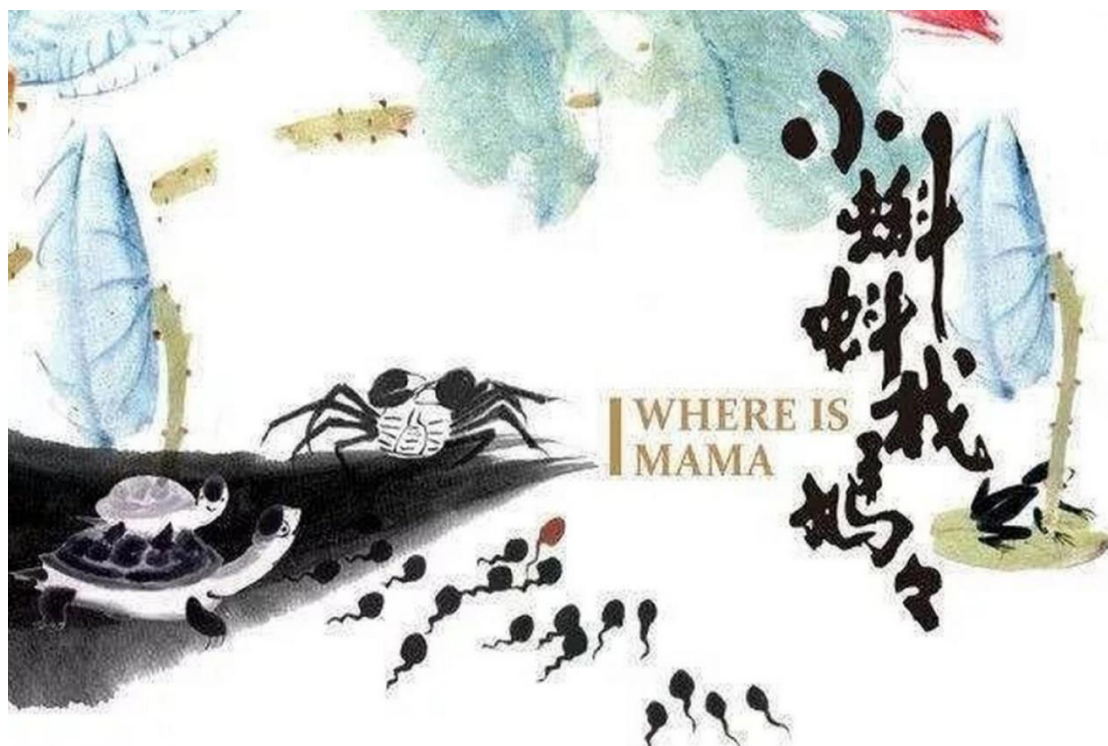


Figure 15 Ink animation "where is mother"

Source: <https://baike.sogou.com/m/fullLemma?lid=8230245>

Japanese Ukiyo-e Style: Japanese Ukiyo-e is a form of painting from the Edo period known for its bright colors, flat compositions, and vivid expressive style. In animation, artists can learn from Ukiyo-e's use of color and line expression to create a bright and full picture effect. By using the characteristics of Ukiyo-e, such as emphasizing color contrast, using bright flat colors and other techniques, it is possible to create an animation picture full of Japanese cultural characteristics.

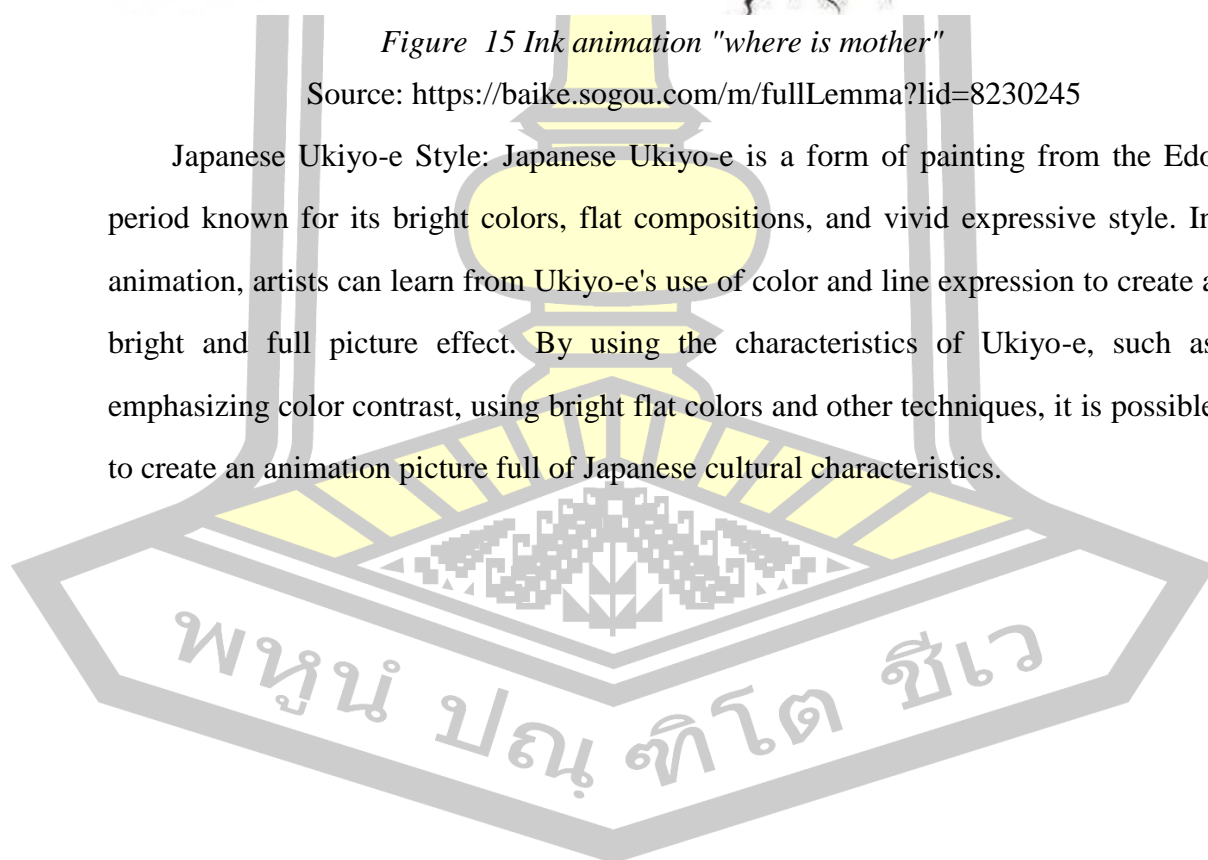
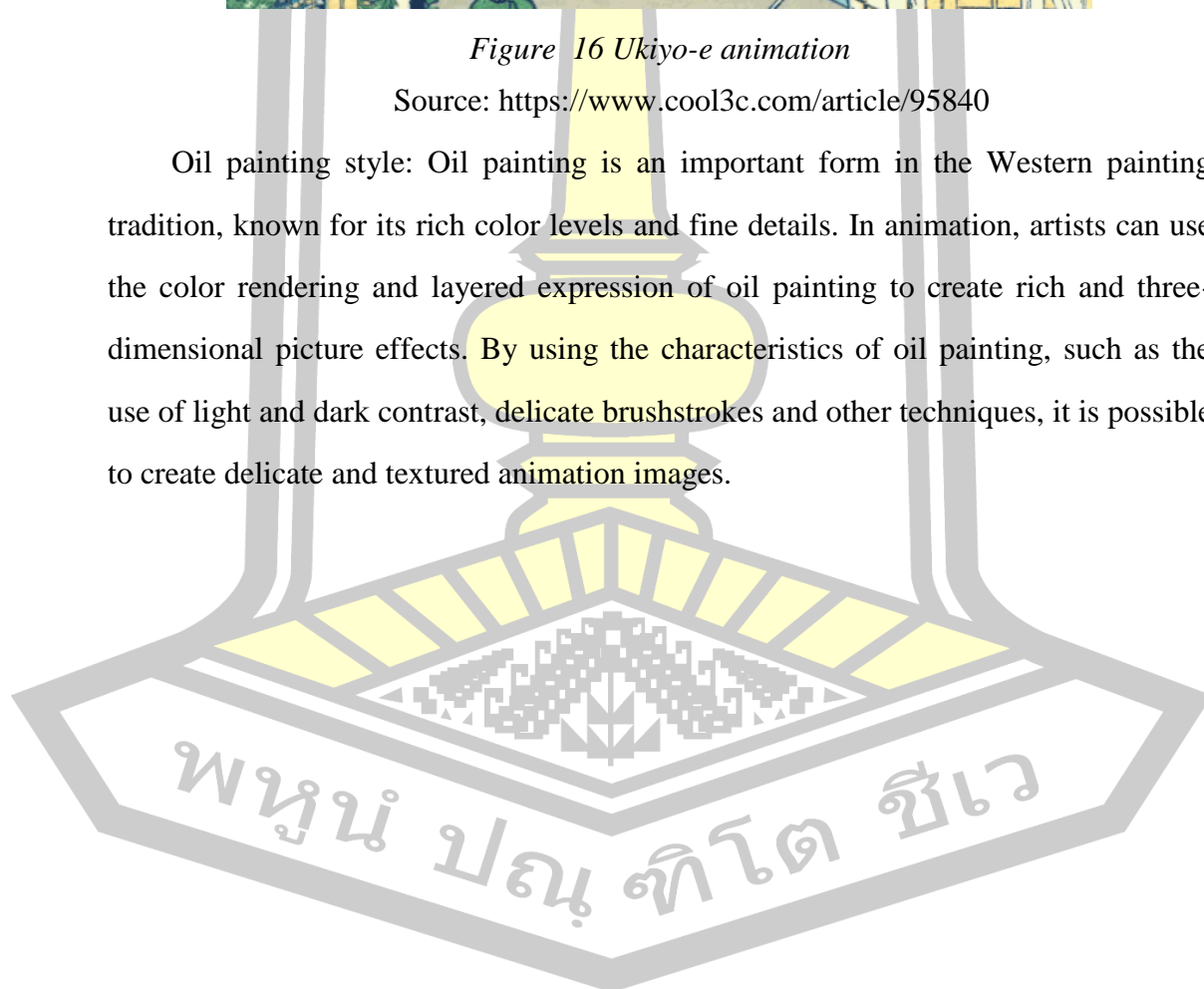




Figure 16 Ukiyo-e animation

Source: <https://www.cool3c.com/article/95840>

Oil painting style: Oil painting is an important form in the Western painting tradition, known for its rich color levels and fine details. In animation, artists can use the color rendering and layered expression of oil painting to create rich and three-dimensional picture effects. By using the characteristics of oil painting, such as the use of light and dark contrast, delicate brushstrokes and other techniques, it is possible to create delicate and textured animation images.



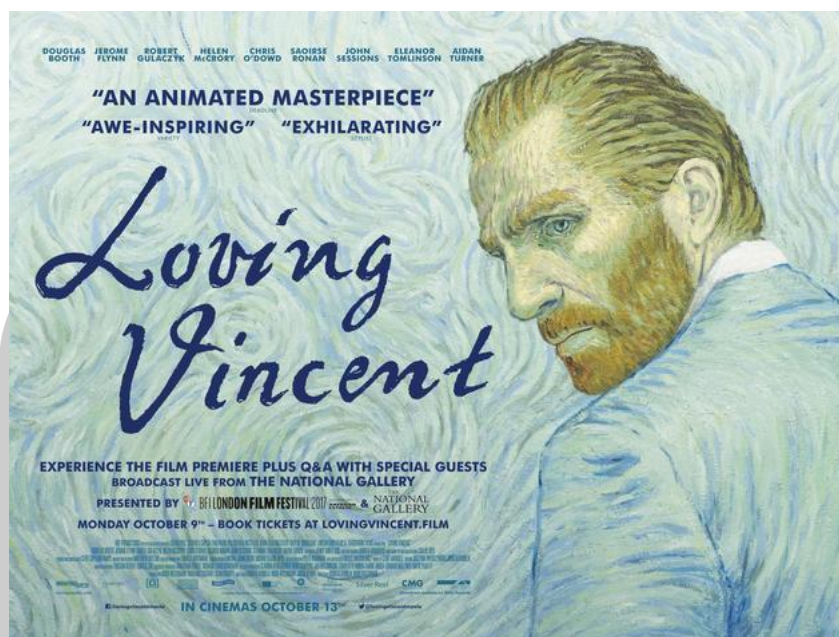


Figure 17 Oil painting style animation "Love Van Gogh"

Source: <http://doc.sina.cn/?id=comos:fypxrpp3401355>

Graphic art style: Graphic art is an art form that emphasizes graphic composition and decoration, and is often found in traditional Chinese painting, ceramic drawing and embroidery. In animation, artists can draw on the lines and patterns of graphic art to create decorative and graphic effects. By using the characteristics of graphic art, such as fine decoration performance, bold pattern combination and other techniques, unique and visually impactful animation images can be created.

Flat art style animation

The above are some common application forms and techniques of traditional art painting style in animation. Artists can choose a suitable traditional art painting style according to the theme and style of animation works, and use related techniques to create unique picture effects.

In terms of application, by cleverly integrating the aesthetic elements of traditional art and the expressive techniques of animation creation, animation works can show rich cultural connotations and artistic charm. The application of traditional art painting styles in animation can cover many aspects:

Line expression: Line expression in traditional art often emphasizes the smoothness and change of strokes, which can be applied to animation. Artists can create unique artistic styles and visual effects by drawing flowing lines, varying stroke thickness, and line direction. For example, drawing on the artistic conception in Chinese landscape painting, using free and curved lines to describe the landscape elements in landscape animation.

Use of color: The use of color in traditional art painting often has distinct personality and unique emotional expression. Artists can learn from the color combination and color expression skills of traditional painting and apply them to animation. By choosing a specific color palette, using chiaroscuro and variations in color saturation, rich color layers and emotional atmospheres are created.

Decorative elements: Traditional art often focuses on the use of decorative elements, such as patterns, patterns and ornamentation. Artists can apply decorative elements in traditional art to animation, creating unique visual effects and rich details. For example, adding traditional art decorations to the character design, or using traditional art patterns as background elements in the scene.

Artistic conception and atmosphere: Traditional works of art often create unique artistic conception and atmosphere through composition, light and shadow and space performance. Artists can learn from the composition techniques and spatial processing of traditional art and apply them to animation to create a picture effect with depth and three-dimensionality. Create emotional and story-rich animated scenes by using specific lighting effects, background details, and perspective manipulation.

Symbols and symbolic meanings: Traditional art often contains rich symbols and symbolic meanings, representing specific cultures and values. Artists can borrow symbols and symbolism from traditional art and apply them to animation to express specific themes and emotions. By using specific symbol patterns, symbolic actions or items, the cultural connotation and emotional expression of animation can be enriched.

By using the skills and elements of traditional art painting styles, animation works can present a unique aesthetic style and artistic value. Artists can choose the appropriate traditional art painting style according to the theme and style of the work, and create animation pictures with depth and unique charm by skillfully using related techniques and elements. This way of integrating traditional art and animation creation not only enriches the artistic expression of animation works, but also promotes the inheritance and development of traditional art.

2.1.2 Application of traditional art sculptures and crafts in animation

In animation creation, traditional art sculptures and handicrafts play an important role, injecting unique artistic and cultural elements into the works.

First of all, traditional art sculpture plays an important role in animation character design. Traditional sculpture works are famous for their exquisite carving skills and lifelike shapes. Artists can use traditional sculpture modeling skills to create a unique artistic style and three-dimensional sense through sculptural character design and scene construction. Drawing lessons from the sculpture shapes in ancient Chinese stone carvings, it is applied to the character design, so that the characters have a three-dimensional sense and historical and cultural connotations.

Secondly, traditional art sculptures also provide valuable resources for the creation of animation scenes. Architectural styles, ornamental motifs, and decorative elements found in traditional sculpture can serve as inspiration for animated scenes. Artists can refer to the architectural forms and decorative details in traditional sculptures and incorporate them into the design of animation scenes to create a background with a strong historical and cultural atmosphere. The unique design and exquisite details of traditional sculpture can give the scene a unique visual charm and cultural connotation.

In addition, traditional arts and crafts also play an important role in animation creation. Handicrafts are widely appreciated for their exquisite craftsmanship and exquisite ornamentation. Artists can draw inspiration from traditional crafts and apply

their ornamental patterns and decorative elements to character design, costume design and scene layout. The unique patterns and decorative elements of traditional handicrafts add rich details and cultural connotations to the characters and scenes, and enhance the artistic quality and appreciation value of the works.

The application of traditional art sculptures and handicrafts enriches the visual expression and cultural connotation of animation works. Artists create unique and artistic character images and scene designs by fusing traditional art elements. This fusion not only brings visual beauty to the work, but also conveys deep cultural information and aesthetic values. At the same time, the application of traditional art also promotes the inheritance and development of traditional culture, allowing the audience to have a deeper understanding and appreciation of the charm of ancient Chinese art.

By fully tapping the potential of traditional art sculptures and crafts in animation, artists can create more artistic and unique works, bringing audiences a richer and deeper visual experience. The integration and innovation of traditional art makes animation works more cultural and artistic value, and injects new vitality into the inheritance and development of traditional art. At the same time, the combination of traditional art and animation creation also provides a powerful means to promote the dissemination and promotion of traditional culture.

2.2 Inspiration and influence of traditional art on animation creation

When studying the relationship between the narrative structure and the animation plot in traditional art related to the flying art of Longmen Grottoes, we can not only deeply explore the characteristics of the ancient artwork itself, but also gain insight into human desire for storytelling and expressiveness. way of commonality. This chapter aims to analyze this connection in detail and explore how this connection is manifested in traditional art and animation plots.

Traditional art, especially the flying art of Longmen Grottoes, occupies an important position in Chinese culture with its unique form and expression. Often

presented in relief, these works represent various storylines and myths and legends through depiction and sculpture. These stories are often presented in a coherent manner, depicting the development and transformation of the plot through the arrangement of physical images and the construction of scenes. At the same time, these works of art also convey a certain amount of moral education and spiritual guidance. By depicting heroes, myths and historical events, they arouse people's yearning for beautiful things and noble behaviors.

Animated drama is a relatively new art form compared to traditional art. However, despite the differences in the two forms of expression, they both uphold the essence of narrative. Animated stories use the combination of image and sound to tell a storyline and express emotion in a way that is visually vivid and engaging to the audience. Similar to the narrative structure in traditional works of art, animation plots also rely on a coherent story line, as well as the shaping of characters and the setting of scenes.

The connection between traditional art and animation plot can be discussed from multiple dimensions. First of all, both use specific artistic techniques and techniques to describe the appearance, expressions and movements of the characters to achieve the presentation of the plot. Whether it is the sculpting skills in traditional art, or the painting and animation production techniques in animation plots, it is all about conveying emotions and story information to the audience. Secondly, both pay attention to the design and performance of the scene, and there are similarities in the arrangement of physical space and the use of visual elements. Whether it is the rock structure and background details in the Longmen Grottoes, or the fictional locations and background settings in the animation plot, they all provide the necessary support and foil for the storyline.

In addition, both traditional art and animation plots have a strong narrative purpose and meaning. They convey specific information and values to the audience through the development and turning of the plot. Whether it is the religious and

philosophical ideas conveyed in traditional art works, or the exploration of social issues and human nature explored in animation plots, they all provide the audience with opportunities for in-depth thinking and experience.

The flying art of Longmen Grottoes is famous for its unique narrative structure and artistic style. They engage audiences by bringing together various story elements and plot characters to create vivid and lifelike scenes. There is something in common between the connection of this special narrative structure and the narrative structure of the animation plot. Animated plots use creativity and technical means to convey storylines in the form of images and sounds, and to reveal emotions and contradictions through the development of characters and plots.

In the dissertation, taking the connection between the narrative structure in traditional art and the plot of animation as a chapter theme can help us better understand the essence and commonalities of these two art forms. Through the in-depth study of the flying art in Longmen Grottoes and the analysis of the animation plot, we can recognize the similarities in narrative structure between traditional art and animation plot, and their importance for cultural inheritance and story transmission. Such research can not only broaden our academic horizons, but also help promote the innovation and development of traditional art and animation plots.

In summary, there is a close relationship between the narrative structure in traditional art and the plot of animation. Whether in ancient art works or in contemporary animation plots, they express stories and emotions through the development of plots, the shaping of characters, and the use of visual effects. By studying the connection between the narrative structure in traditional art related to the flying art of Longmen Grottoes and the animation plot, we can explore this relationship in depth and their importance for cultural inheritance and artistic expression. Such research helps to promote the exchange and development of traditional art and animation plots, and at the same time broadens our understanding and appreciation of narrative art.

2.2.2 The influence of the aesthetic value of traditional art on animation aesthetics

With the continuous advancement of science and technology and the rapid development of society, animation aesthetics, as a special art form, plays an increasingly important role in contemporary culture. As the predecessor of animation aesthetics, traditional art has had a profound impact on its development. This chapter will focus on the influence of the aesthetic value of traditional art on animation aesthetics, and take the flying art of Longmen Grottoes as an example to elaborate.

First of all, the flying art of Longmen Grottoes is an important part of traditional Chinese art, and its unique aesthetic value has played a positive role in promoting the development of animation aesthetics. Longmen Grottoes is one of the treasure houses of ancient Chinese art, famous for its exquisite reliefs and murals. The image of Flying has attracted many viewers with its vivid, mysterious and long historical background. These flying images are not only a beautiful visual art form, but also contain profound cultural connotations and philosophical thinking, bringing people's thinking and understanding of life and nature. The animation aesthetics draws lessons from the aesthetic characteristics of the flying art in Longmen Grottoes, thus creating a variety of characters and scenes, so that the audience can gain more spiritual enjoyment in the process of appreciating animation works.

Secondly, the influence of the aesthetic value of traditional art on animation aesthetics is reflected in the introduction and expansion of artistic expression techniques. The expression techniques of traditional art forms are diverse and creative, which provides rich inspiration and reference for the development of animation aesthetics. In the art of Flying in the Longmen Grottoes, artists used techniques such as stone carving reliefs and murals to shape the image of Flying to life, with a sense of three-dimensionality and movement. Traditional art pays attention to the grasp of details and exquisite craftsmanship, and this spirit has been inherited and developed in animation aesthetics. Animation estheticians have borrowed

traditional artistic expression techniques, and through the use of dynamic pictures and special effects, they have created unique visual effects and improved the artistry and appreciation of the works.

In addition to the introduction and expansion of artistic techniques, traditional art also has a positive impact on the storytelling of animation aesthetics. Traditional art brings profound emotional experience to the audience with its rich stories and unique narrative methods. Most of the mural stories in the Flying Art of Longmen Grottoes are based on Buddhist themes. Through delicate lines and emotionally rich characters, they show various differences in life and convey cultural values and thinking. Animation aesthetics draws on the storytelling of traditional art, and through the arrangement of the plot, the portrayal of the characters and the expression of emotions, the audience can deeply participate in the story and resonate. This kind of emotional resonance makes the animation work more appealing and attractive, and improves the artistic expression of the work.

To sum up, the influence of the aesthetic value of traditional art on animation aesthetics cannot be ignored. Taking the flying art of Longmen Grottoes as an example, its unique aesthetic characteristics, diverse artistic expression techniques and rich storytelling forms have played a positive role in promoting the development of animation aesthetics. The combination of traditional art and animation aesthetics can not only enrich the form and content of animation works, but also convey deeper cultural connotations and philosophical thinking. Therefore, in the process of researching and developing animation aesthetics, we should seriously study the aesthetic value of traditional art, learn from it and inherit it, in order to promote the continuous progress and innovation of animation aesthetics.

3 The Potential and Challenges of Luoyang Longmen Grottoes Flying Patterns in Animation Creation

The Longmen Grottoes in Luoyang, as the jewel in the treasure house of ancient Chinese art, are famous all over the world for their unique artistic style and excellent artistic expression ability. Among them, the flying pattern of Longmen Grottoes, as an important artistic element, has distinctive features and unique forms of expression. With the development and prosperity of animation art, people began to explore the possibility of integrating the flying patterns of Longmen Grottoes into animation creation. This chapter will discuss the potential and challenges of the flying patterns in Longmen Grottoes in Luoyang in animation creation.

The Uniqueness of the Flying Pattern in the Longmen Grottoes in Luoyang The Flying pattern in the Longmen Grottoes in Luoyang is a typical figure image in ancient Chinese art. It is characterized by beautiful and unique image, strong ornamental value and rich meaning. These flying images often show the posture of flying freely and flying in the sky in the murals, giving people a mysterious and lofty feeling. In animation creation, with the help of modern technology, the flying patterns of Longmen Grottoes can be vividly presented on the screen, so that the audience has an immersive feeling.

The Potential of Flying Patterns in Longmen Grottoes in Luoyang in Animation Creation

Inheriting traditional culture: The flying patterns of Longmen Grottoes in Luoyang are an important part of Chinese traditional culture. Integrating it into animation creation can inherit and carry forward Chinese traditional culture, and arouse the audience's sense of identity and emotional resonance with traditional art.

Rich artistic expression: The flying patterns of Longmen Grottoes in Luoyang have unique images and far-reaching meanings, and these images can be perfectly presented through animation. With the special effects of animation, the scene of flying in the sky can be shown, creating a mysterious and spectacular artistic atmosphere.

Improve appreciation: animation works are a kind of visual art, compared with traditional art, its appreciation is stronger. By integrating the flying patterns of Luoyang Longmen Grottoes into the animation, the audience's visual enjoyment of the work can be deepened, and the attraction and influence of the work can be enhanced.

The challenges faced in the animation creation of the flying patterns in the Longmen Grottoes in Luoyang

Maintain the original style: The flying patterns of the Longmen Grottoes in Luoyang have a unique artistic style, but when integrating them into animation creation, it is necessary to balance the need to maintain the original style and adapt to the animation performance. This requires animation creators to have a certain degree of artistic accomplishment and creativity in order to achieve artistic harmony.

Difficulty in technical realization: The characteristics of the flying patterns in the Longmen Grottoes determine the need for advanced technical means in the animation creation process. This puts higher demands on the animator's technical ability, and it is necessary to master complex special effects production technology to achieve the best presentation effect of the Flying pattern in the animation.

Cultural Interpretation and Communication: The flying patterns of Longmen Grottoes in Luoyang contain rich cultural connotations, but it is a challenge to convey them to the audience reasonably. Animation creators need to study the artistic background and meaning of Longmen Grottoes in detail in the creation to ensure the accuracy and completeness of the communication.

The flying patterns of Longmen Grottoes in Luoyang have great potential and creative space in animation creation. Through the integration of tradition and modernity, art and technology, animation works rich in ornamental and expressive force can be created. However, at the same time, some challenges must be faced, including maintaining the original style, difficulty in technical realization, and cultural interpretation and communication. Only by overcoming these challenges and giving

full play to the potential of the flying patterns of Longmen Grottoes in Luoyang in animation creation can we create animation works with more artistic value and cultural connotation, and contribute to the inheritance and innovation of Chinese traditional culture.

3.1 The artistic expression of Flying pattern and the meeting point of animation creation

In traditional Chinese art, Longmen Grottoes Flying Art, as an important form of artistic expression, has attracted much attention for its unique creative style and exquisite skills. With the development of technology and the evolution of art, the artistic expression of flying patterns has gradually been integrated into animation creation. This chapter will focus on discussing the connection between Longmen Grottoes flying art and animation creation, as well as its application in the field of contemporary animation.

Unique Features of Flying Art in Longmen Grottoes

Richness of artistic expression

As a representative of traditional Chinese grotto art, Longmen Grottoes still occupy an important position in today's art world with its creation style and skills. Among them, the Flying pattern is a form of expression, through exquisite carving and painting techniques, the figures show the posture of Flying, as well as gorgeous and gorgeous decorative effects. This unique form of expression has had a wide-ranging influence in the art world and provided unlimited creative inspiration for later artists.

Allegorical and symbolic connotation

As an important part of the art of Longmen Grottoes, the Flying pattern has rich and far-reaching meanings and symbols. In Chinese culture, "Flying" is often regarded as a symbol of transcendence, representing the pursuit of freedom and sublimation. The flying posture and dynamic expression endow the Feitian pattern

with vigorous spiritual power, making it have strong emotional resonance and shocking power.

The Inheritance and Development of Flying Patterns in Animation Creation

Expression means of animation art

Animation, as a creative method integrating painting, photography, sound and other art forms, provides a wider space for the expression of flying patterns. Through the technical means of animation, the artist can present the Flying pattern in front of the audience in a true and lifelike manner, so that the audience can better feel the artistic beauty and inner charm of the Flying pattern.

Innovations that Enhance Visual Effects

With its rich and varied means of expression and broad imagination space, animation creation has brought new possibilities for the expression of flying patterns. Through the processing of light and shadow, the construction of scenes and the selection of themes, artists can further expand the artistic expression of the Flying pattern, making it have more outstanding visual effects and shocking power. At the same time, elements such as music and sound effects can also be added to the animation creation to further enhance the artistic appeal of the Flying pattern.

Application of Flying Art in Longmen Grottoes in Contemporary Animation

Cultural Inheritance and Innovation

As an important part of Chinese traditional culture, the flying art of Longmen Grottoes has been widely used and inherited in the field of contemporary animation. By combining the Flying pattern with contemporary animation creation techniques, artists can inherit and carry forward traditional culture, and at the same time create unique works, showing the unique charm of Chinese culture in the international animation field.

Transmission and exchange of worldview

As a global art form, animation has rich perspectives and a wide audience. By incorporating the patterns and themes of the flying art of Longmen Grottoes into

animation creation, artists can convey the worldview and values of traditional Chinese culture to audiences around the world. This kind of cross-cultural communication and interaction helps to promote the development of international cultural diversity and deepen mutual understanding and friendship among peoples of various countries.

As a unique expression form of traditional Chinese grotto art, the flying patterns of Longmen Grottoes have a good fit with contemporary animation creation. Through animation creation, artists can inherit and carry forward the tradition of flying art in Longmen Grottoes, while creating unique and charming works. In addition, integrating the flying art of Longmen Grottoes into animation creation will not only help cultural inheritance and exchange, but also broaden the expression of traditional art forms and bring a new artistic experience to the audience.

3.2 The cultural inheritance and innovative exploration of flying patterns in animation

The Flying pattern is a unique art form in traditional Chinese culture, and its origin can be traced back to the Flying art in the Longmen Grottoes in ancient Buddhist art. The Flying pattern plays an important role in the inheritance of Chinese art, and the application in modern animation has brought new life and innovation to this cultural symbol. This chapter will discuss the cultural inheritance and innovation of the Flying pattern in animation, aiming to explore its unique value and charm.

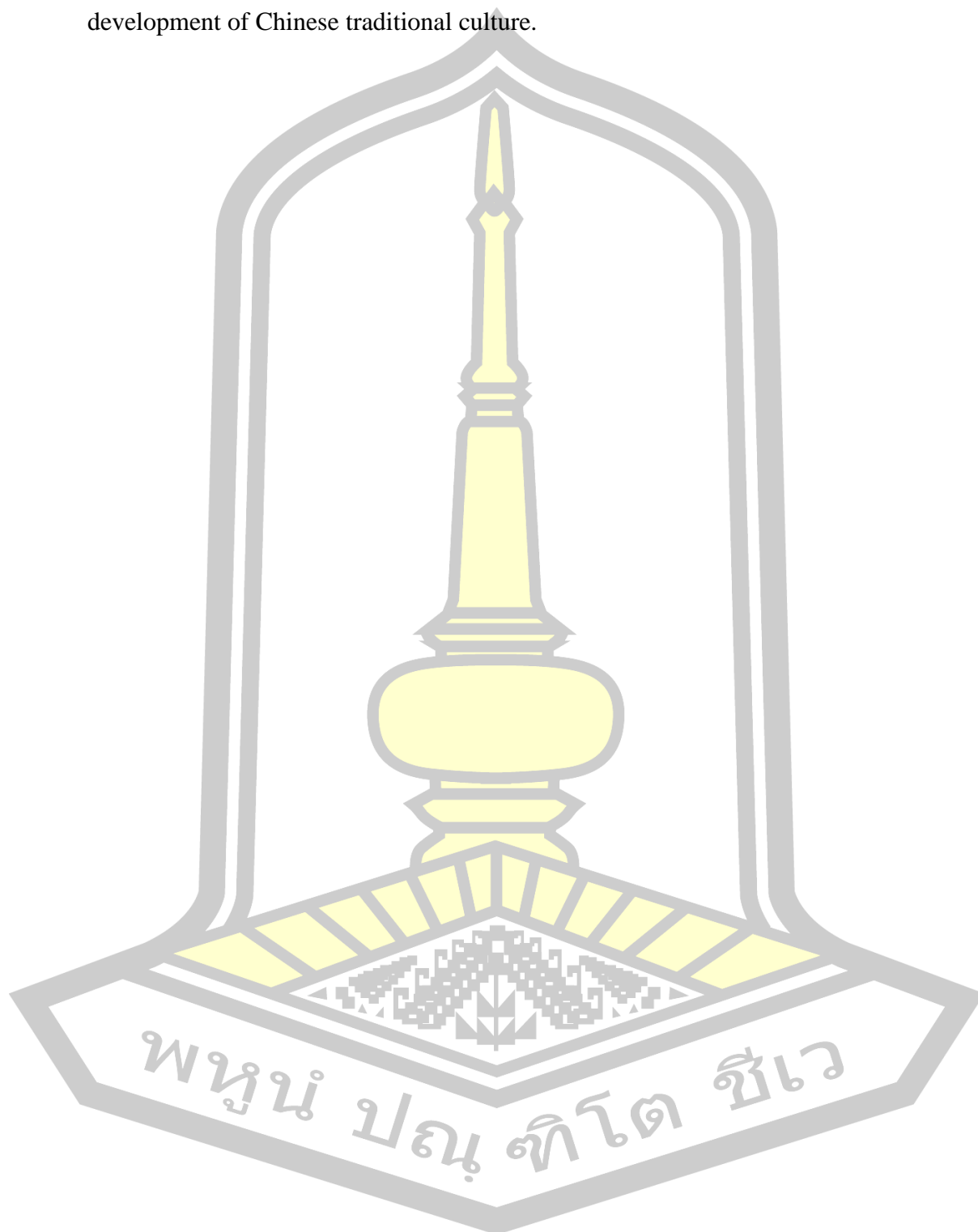
As an important part of Chinese traditional culture, the flying sky pattern has a long history and rich cultural symbols. As part of the flying art of Longmen Grottoes, the flying sky pattern plays an important role in Buddhist teachings, representing the spiritual pursuit of otherworldly and the concept of integration between man and nature. In the animation, the Flying pattern is used in character image design, scene construction, etc., and conveys this spirit and concept to the audience through figurative expressions. The flying sky pattern is not only an art form, but also a transmission and continuation of cultural symbols.

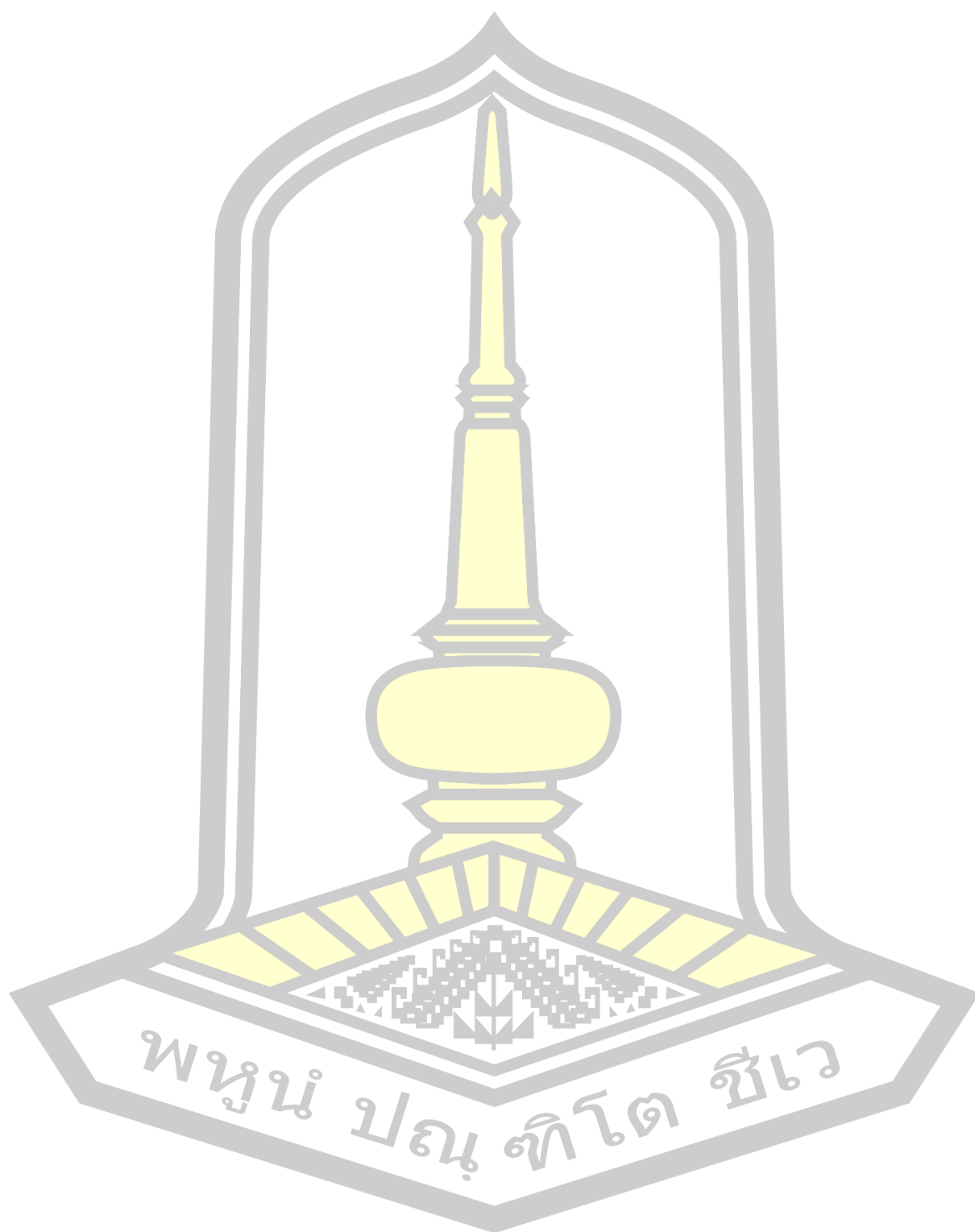
As a modern art form, animation is constantly seeking breakthroughs and innovations. Through the application of the Flying pattern in the animation, we can see that this traditional cultural element glows with new vitality in innovation. In the animation creation, the designers skillfully combined the Flying pattern with modern visual effects, presenting a unique artistic style. For example, in character image design, the designer can use the lines and shape features of the flying sky pattern to endow the character with a holy and solemn temperament. In terms of scene construction, designers can use the image elements in the Flying pattern to create mysterious and fantastic background effects. These innovative attempts not only inherit the cultural connotation of the Feitian pattern, but also endow it with a new way of artistic expression.

The cultural inheritance and innovation of flying patterns in animation is not only reflected in the level of artistic expression, but also in the transmission and promotion of cultural value. As a part of Chinese traditional culture, the Flying symbolizes the wisdom and spirit of the Chinese nation. Through the visual expression of animation, this cultural symbol can be passed on to a wider audience. At the same time, through innovative ways of expression, the Flying pattern in the animation can also break through the limitations of time and space, go abroad and spread to more countries and regions. Such cultural inheritance and innovation not only helps expand the international influence of Chinese traditional culture, but also injects new impetus and creativity into the development of animation art.

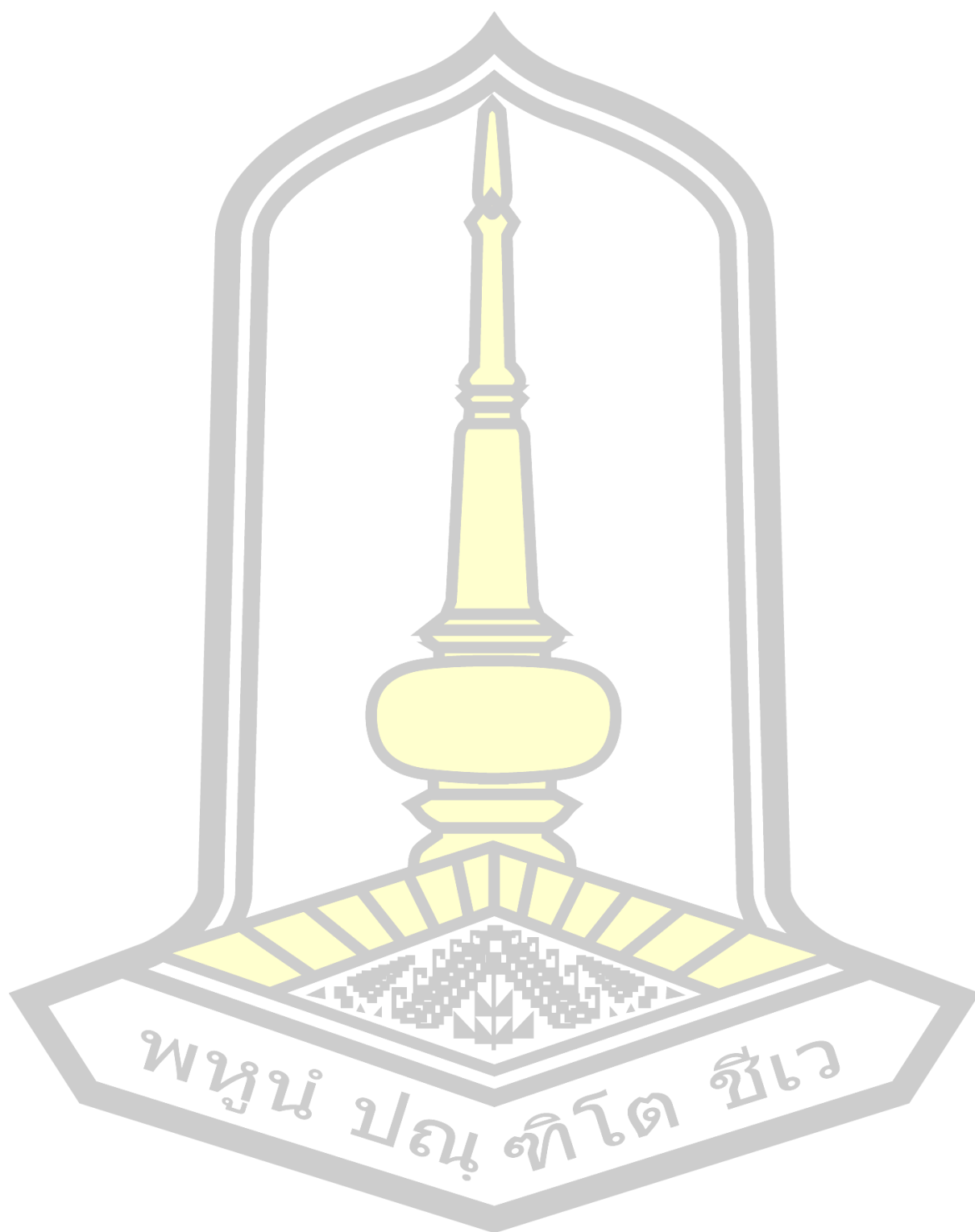
In short, the cultural inheritance and innovation of the Flying pattern in animation shows the unique charm and value of Chinese traditional culture. It is not only an important part of Chinese traditional culture, but also a valuable resource in modern art creation. By using the Flying pattern in the animation, we can convey its unique cultural connotation to the audience, and at the same time show its artistic charm in innovation. With the continuous development of the animation industry, we are confident that the application of flying patterns in animation will continue to

explore more possibilities and make greater contributions to the inheritance and development of Chinese traditional culture.





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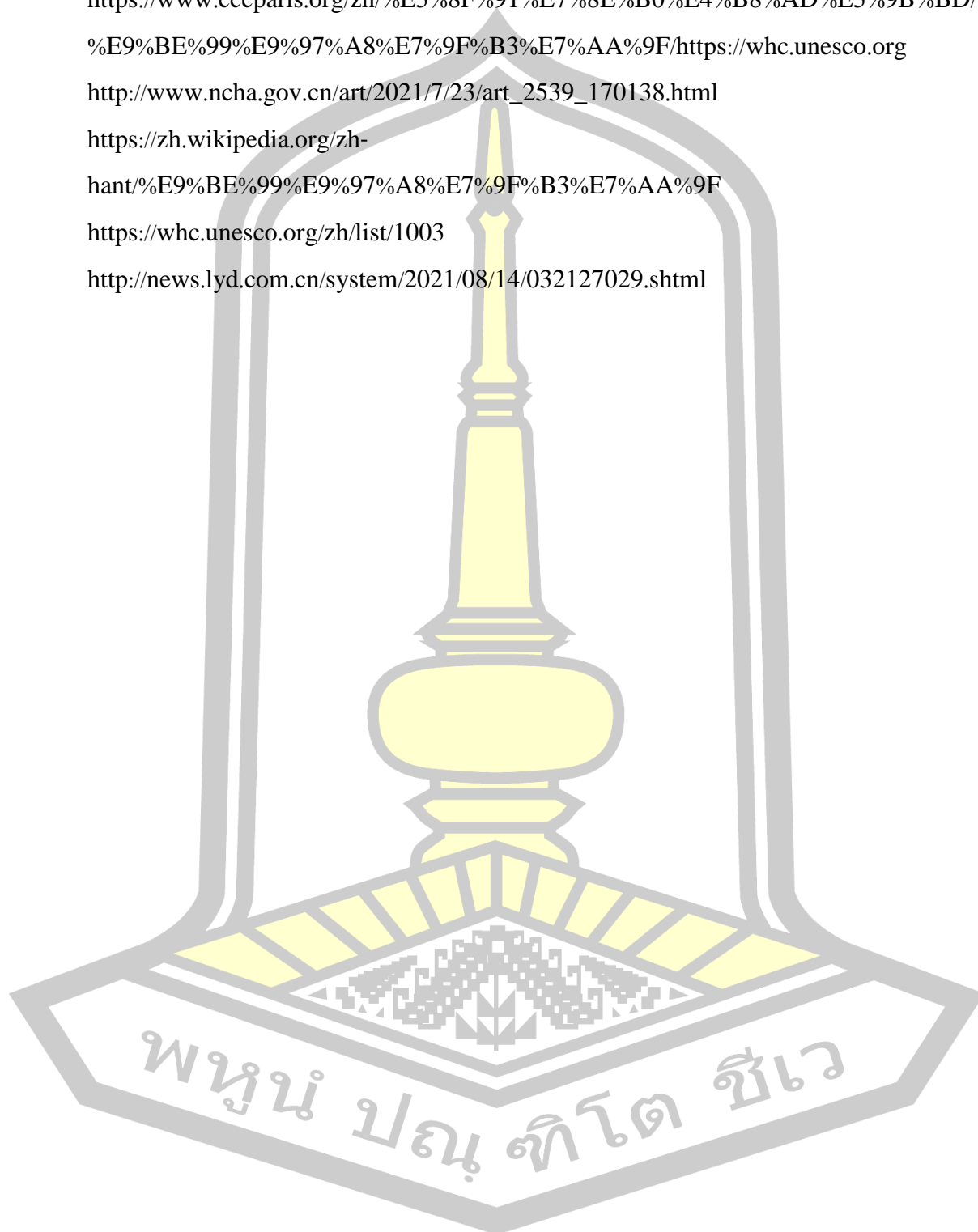
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Annex

Annex A

Questionnaire

Dear interviewee,

Hello! I'm Shi Hao, and I'm doing research on the application and exploration of the flying patterns in Longmen Grottoes in Luoyang in animation creation. I invite you to participate in our survey and share your valuable opinions and views. Your participation is very important to our research. This questionnaire will explore the potential and possibility of the flying patterns of Longmen Grottoes in Luoyang in the creation of 2D animation. We would like to know your perceptions, attitudes and views on this form of integration.

Participating in the survey should only take a few minutes of your time. Your answers will be kept strictly confidential and used for research purposes only. Please rest assured to fill in.

Click the link below to start filling out the questionnaire:

Part 1: Basic Information of the Interviewer

1. What is your age?
2. What is your gender?
3. What is your field of work?
4. Have you ever known or been in contact with the flying in the Longmen Grottoes in Luoyang?

Part Two: Research Background Information

1. Do you know about 2D animation?
2. Do you know the flying patterns in the Longmen Grottoes in Luoyang?
3. Have you ever seen or heard of a 2D animation inspired by the flying in the Longmen Grottoes in Luoyang?

Part 3: Proposal voting

Do you think it is appropriate to apply the flying pattern of Luoyang Longmen Grottoes in 2D animation creation?

very suitable

suitable

neutral

inappropriate

very inappropriate

How do you think audiences feel about this fusion of traditional art and 2D animation?

very acceptable

accept

neutral

do not accept

very unacceptable

How much of an impact do you think this fusion has on improving the artistry and appeal of 2D animation?

Very big

big

neutral

Small

very small

What do you think is the best way to apply the flying patterns of the Longmen Grottoes in Luoyang to the creation of 2D animation?

main character design

background decoration

dynamic special effects

Other (please specify)

What factors do you think will affect the audience's acceptance of this integration? (Multiple choice)

age

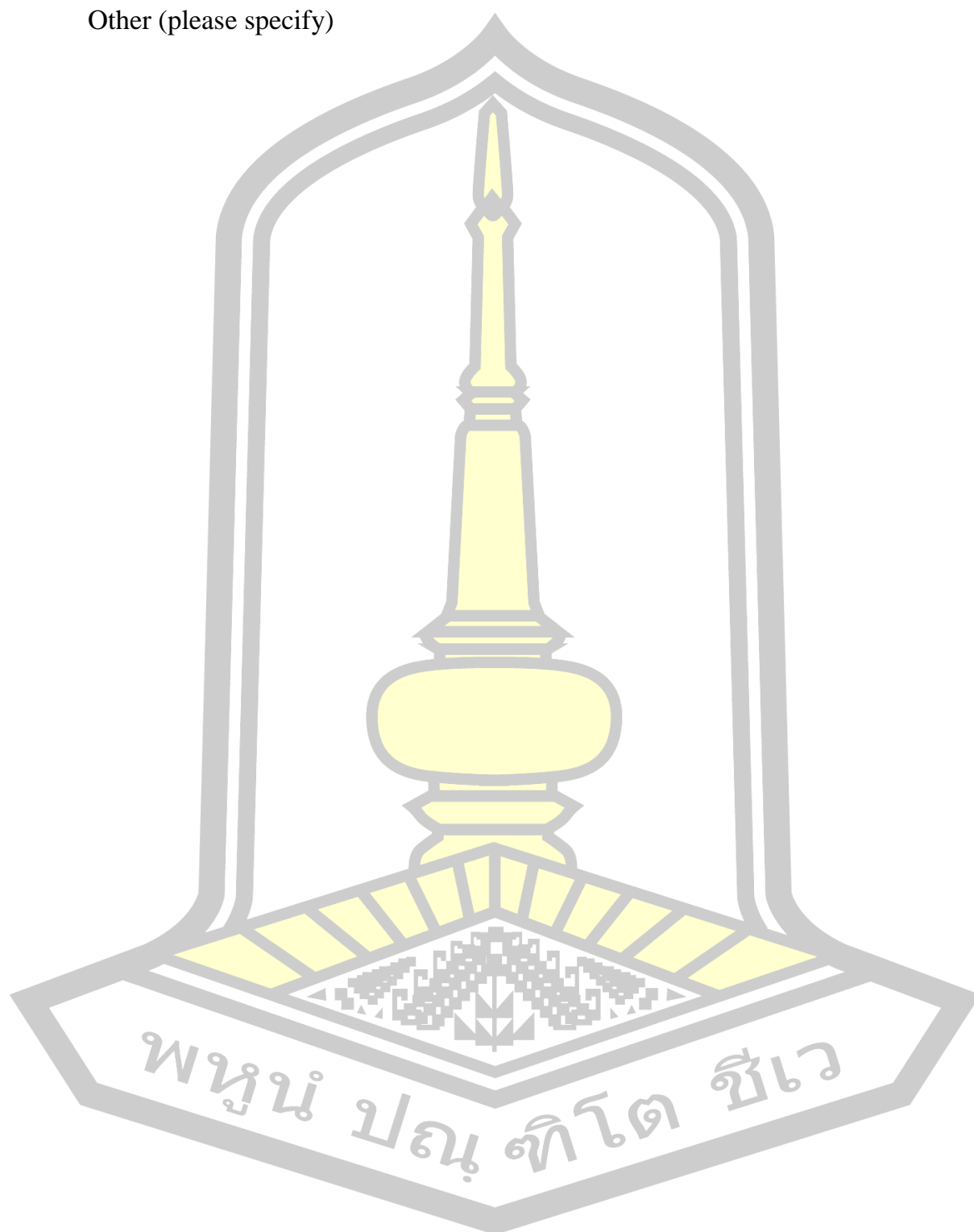
gender

education level

cultural background

viewing device or platform

Other (please specify)



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