

## Research on the Influence of Touching Key Skills on Timbre Effect in Piano Performance from the Perspective of Aesthetics

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**Abstract:** Piano performance is one of the most important and basic forms in this important link of music performance. It is the function of piano playing to construct a bridge between the works and the appreciators. Piano performance should conform to certain aesthetic principles, follow the unity of authenticity and creativity, conform to the historical and contemporary, and realize the unity of skills and performance. Accurately grasping the timbre has a great influence on improving the piano playing effect, and requires players to pay attention to improving their ability to master key touching skills so as to flexibly and effectively use key touching skills in piano playing. Or present a feminine tone, or a magnificent tone, to present an audio-visual feast to the audience. Aesthetic analysis is a precondition for piano performance. Only through the excellent aesthetic analysis of music can we grasp the soul of music works. With superb performance techniques as a means, combined with the times and creativity, it is possible to constitute a perfect performance. Piano performance will have a long-lasting vitality, which is also the essence and true meaning of piano performance.

### 1. Introduction

In the field of Western music, the piano has always been called the “king of musical instruments” [1]. The reason why it enjoys such a reputation is that its volume, tone and range have advantages that other instruments cannot match, and these advantages give it rich and unique musical expression and artistic charm [2]. Piano performance is more than just performance. It is a performing arts and a creative art activity. The music it exhibits should have certain aesthetic principles, and it requires piano players to have a high degree of aesthetic judgment and understanding [3]. Cognition and understanding of the basic aesthetic principles of piano playing are the basis and premise for improving the aesthetic standards, and authenticity is by no means a mechanical reproduction [4]. But requires players to add their own understanding and perception of music in the process of understanding and expressing the work [5]. The technology and art of piano performance complement each other. Technology is the premise, foundation and means, while art is the content and purpose of piano performance. The perfect unity of the two is the highest realm of piano performance.

In piano performance, touch-key techniques have a greater impact on the sound effects. Touching skills are the most important issues for piano players and are a must-have skill [6]. The weight of the touch keys directly affects the sound of the piano, which is the key to the true expression of the thoughts and emotions of the piano works. For piano players, mastering and learning touch-key skills is a difficult and difficult knowledge and skill to learn and master the piano [7]. In piano works, the sounds of different music are different [8]. Only by making full use of the touch skills of piano playing and continuously improving their touch skills to play the keys can the timbre of piano works be effectively displayed. Expressed the emotion or connotation of music works incisively and vividly and touched the audience, thus achieving the corresponding performance effect [9]. Of course, in order to achieve this, it is necessary for players to take it as their own duty to spread the aesthetic value of music works and to correctly understand the influence of piano skills on piano timbre effect [10]. Learning touch key skills earnestly and intently can really improve the

expressive force of piano timbre.

## **2. The Relationship between Piano Tone and Touch Skills**

### **2.1. The importance of piano tone in performance**

The timbre of a piano refers to the sound emitted by the piano itself, which expresses some image and some emotion. The quality of timbre is an important indicator of performers' artistic attainments. Different piano works express different timbres. Piano skill is an important means of performing works, and it is an important form of finger movements and strength. The skill on the player's hand is the skill of touching the key, which is directly related to the timbre. The speed of touching keys, the strength of touching keys and the size of touching keys can all show different timbres. Therefore, the touch-key technique and the timbre have a direct relationship and function, and the two are inseparable. In piano works, the touch skills required for different sounds are different. A variety of touch-key techniques are used in a work to help express the quality of a musical piece. In addition, a variety of touch-key methods also contribute to the creative concept and creative emotions of piano works. Enhance the appeal and richness of piano works, and facilitate the emotional resonance of the audience.

### **2.2. The effect of touch-key techniques on the tone**

In piano performance, the degree of speed, support, and independence of the finger have a direct impact on the touch. The correctness of the touch keys is directly linked to the tone of the piano. In terms of the performance of the piano sound, the better the flexibility of the player's fingers, the better the tone of the performance. Players can use the flexible fingers to fully exercise the touch-key skills to achieve the corresponding sound effects. If the player's fingers are too stiff and not flexible enough during the piano performance, the performance skills will not be fully demonstrated. Can not effectively and fully express the feelings and thoughts of piano works, and cannot perfectly present the timbre of piano. In addition, the performance of piano works pays attention to the connection and fluctuation between notes. If the fingers are not flexible enough to operate independently. Fingers and wrists are relatively stiff, so the timbre displayed has no penetrating power, and the timbre is not concentrated enough. The playing speed is slow and the rhythm is not smooth enough. This not only damages the continuity of playing, but also damages the rhythm of playing.

## **3. Analysis of Touching Keys in Piano Performance**

### **3.1. High fingering**

This kind of performance is mainly used in lyric piano music, with the fingers raised as much as possible. The piano player should sit up straight as far as possible during the performance so that the arm naturally falls down to the wrist and the fingers are lifted and relaxed. When the fingers of the right hand play with two fingers, the other fingers should also be lifted together, and the knuckles should also have radians. When you press the key, you must pay attention to the curved first knuckles on the keys. The working range of high finger picking method is relatively large, which can help players relax the tension of fingers. However, you must also pay attention to the smoothness of your wrists and move your fingers and palms with your wrists. Relax your shoulders and avoid problems such as ups and downs on your wrists and shoulder lifts. In this regard, the player can put an object that can be referenced on the wrist during the daily practice. The single high-lifting practice method is based on the high-lifting player, and the player raises a certain playing finger. The other fingers do not leave the piano keys and are naturally placed on the key surface to foster the independence of the fingers and the coordination of the whole collection.

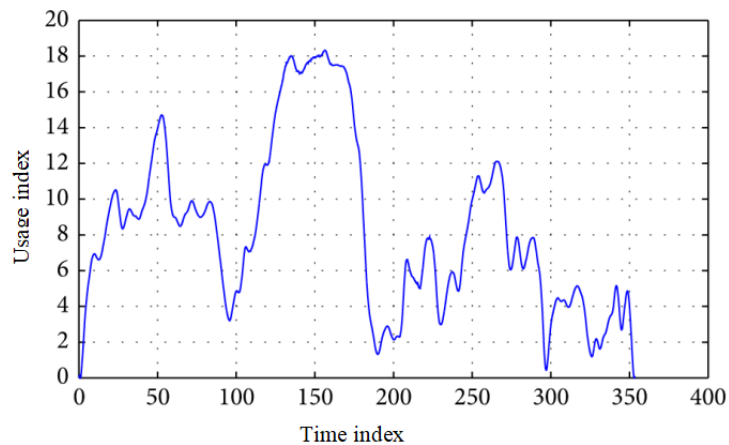


Fig.1. Application of high finger movement method in piano performance

### 3.2. Playing without lifting your fingers

This method of playing is the most common way of playing in piano performance, and piano masters and beginners will use it unconsciously in piano performance. In the performance of some of the faster piano pieces, you can play the sound and the sound through the natural rebound of the finger by skillful not playing the finger. When you play the piano without lifting your fingers, you must be careful that the fingers you play will naturally fall on the keys and be lowered with natural gravity. Through multiple contact and control, the strength of the finger is stabilized, and the power is transformed. During the development of piano playing, different players often change their piano playing skills according to their own preferences. The traditional touch method holds that the piano touch mainly depends on human muscle strength, which leads to a lot of abuse of fingers, because it is difficult to control the piano performance by relying only on the strength of fingers in the piano touch. Therefore, in the new piano key touching method, the key touching method featuring gravity is gradually accepted by players.

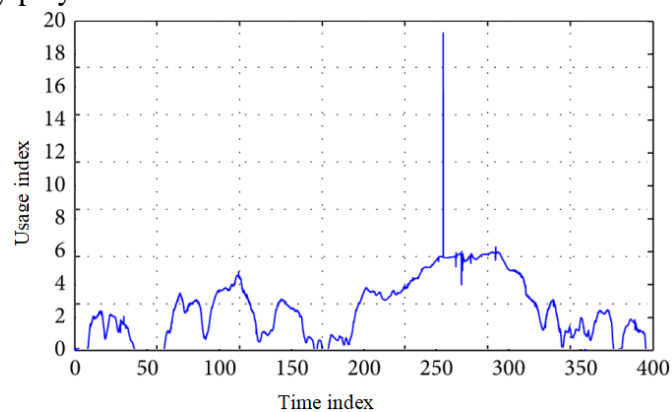


Fig.2. The application of the non-lifting fingering method in piano performance

## 4. How to use Touch Key Skills to Control the Sound Effect

### 4.1. Control sound effects with flexible fingers

The independence, stability and flexibility of the fingers in piano performance determine the player's mastery of touch-key skills. In normal times, the player should often perform finger-independent exercise to train his or her own single finger to be flexibly touched without being affected by other fingers. For the average person, if a single finger is not affected by other fingers, it takes a long time to practice. The fact that any finger in the performance does not flexibly match other finger touches will affect the overall performance of the tone. The flexibility of fingers requires players to enhance finger exercises, cultivate the sense of music of fingers by using their own knowledge of music theory, and through intensive training, fingers can display tone color

effects by accurately touching keys. In order to ensure the stability of fingers, players should maintain a calm state of mind and relax their bodies so that each finger can play its best. This requires players to train frequently and learn how to keep relaxed so that the fingers can touch the keys stably and play smoothly like water.

#### **4.2. Learn to use finger touch technique**

In piano playing, touching the key at the fingertip is a common kind of playing skill. The fingertip touch technique can accurately show every timbre change and note change of the performance if properly applied. To master the skill of touching keys at the finger end requires players to practice touching keys at the finger end more, and use different strength and speed of touching keys at the finger end to display timbre effect. For example, if you want to play some cheerful songs, the player must touch the keys quickly and steadily. More practice of fingertip touch technique can weaken the player's more personal subjective color in the track. In addition, in the piano performance, due to the market psychology, the touch-key technique is difficult to effectively perform during the performance, which affects the sound effect of the performance. In normal times, the player should strengthen the psychological quality training, cultivate a good performance mentality, and curb the market psychology in the performance. At the same time, the player should use the touch-key technique to be as relaxed as possible, not too late or exaggerated, so as not to affect his normal mood, and reduce the influence of the player's market on the sound effect.

### **5. Improve the Musical Aesthetics of Piano Performance**

#### **5.1. Improve music aesthetic ability**

In order to exert the aesthetic value of piano performance, it is necessary to pay attention to the cultivation of the performer's aesthetic ability. First, let the player have a basic understanding of the work, then analyze the work to explore the cultural connotation and aesthetic value of the work. In addition, the player's imagination must be expanded. It is well known that different performers of the same work in music performance will exhibit different levels of performance and will also convey different emotions. To improve the level of music performance, it is necessary to enrich the imagination of the performer. Extending the player's mindset will not limit the performance to the "playing skills" framework. In music performance, only free and imaginative music performance can fully express the connotation of the work and enhance the identity and sense of belonging of the work. Art originates from life and ultimately serves life, reflecting the joys and sorrows of people in life. In piano playing, if you want to improve the musical aesthetic quality of piano playing, you must improve the player's aesthetic ability. Enriching players' imagination and creativity can only be accomplished through continuous music practice training.

#### **5.2. To improve cultural and artistic accomplishment**

To explore the aesthetic characteristics of music performance works is conducive to improving the piano performance level of players and providing reference experience for piano players' practical activities. In piano playing, the cultural and artistic accomplishment of the players should be cultivated and the cultural connotation should be enhanced. Feeling the charm of the excellent national culture and realizing the inheritance and development of the excellent music culture. Piano players do not simply play music, at the same time, they also shoulder the responsibility of spreading excellent music culture. Through the spread of music culture, people's appreciation of piano playing will be expanded and piano music will be deeply rooted in people's hearts. In the process of transferring cultural aesthetics, piano performance also expresses the performer's feelings. In order to improve the aesthetic value of piano playing, players should pay attention to the re-creation of music works when playing the piano. Combining with the background of the times and national characteristics, innovative music content can promote piano performance to present a greater aesthetic feeling. People can feel the charm of piano playing in the innovation of music culture.

## 6. Conclusion

The relationship between piano performance interpretation and the work itself should be empirical. The so-called correct performance is by no means rigid and mechanical compliance with music scores or the atmosphere of the times. But more should be devout and enthusiastic, revealing the human mind and emotional realm. Music will burst out feelings while presenting forms. However, in piano works, the flexibility and strength of the touch technique have an important role and influence on the music presentation effect, which is directly related to the performance quality of piano works. The tone color is softer when the touch is weaker. The touch is stronger and the tone is relatively brighter. The touch keys are high in height and the sound is relatively strong. The touch keys are low in height, and the sounds are flexible and brisk. Performers who want to play good piano works and show good sounds should pay attention to the training and application between fingers, wrists and shoulders, so that the coordination between the bodies is better, thus effectively highlighting the piano works. Style and emotion to achieve the best performance.

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