

artistic innovation, and commercial value development. In the future, with the continuous advancement of information technology, Latin dance is expected to make breakthroughs and innovations in more areas.

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## APPLICATION OF MODERN INFORMATION TECHNOLOGY IN DANCE CREATION AND PERFORMANCE

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**Materials and methods.** The materials of this study include social media, motion capture and analysis systems, and virtual reality technology, etc. These methods are used to enhance the quality and reach of dance works, and also contribute to the improvement of dancers' performance levels.

**Results and discussion.** The popularity of live streaming and short-form video platforms has shattered the limitations of hell, allowing audiences to enjoy dance performances from around the world without having to be physically present. Whether it is the elegance of classical ballet, the passion of street dance, or the unique charm of folk dance, it can be transmitted to the global audience in real time through live broadcast, which greatly enriches people's cultural and entertainment life. At the same time, the real-time barrage comment function during the live broadcast enhances the audience's sense of participation and interactivity, and improves their visibility and influence. The like, comment, and retweet functions on social platforms can provide a relatively immediate feedback mechanism for dance works, and the audience can express their suggestions for dance in real time. Dancers can constantly adjust and innovate accordingly, forming a virtuous circle, which greatly promotes the diversified development and wide dissemination of dance art [1].

Through high-precision motion capture technology, every subtle movement of the dancer can be recorded and analyzed in detail, helping the coach and the dancer themselves to accurately identify the shortcomings and highlights in the movement, so as to make targeted adjustments and optimizations. This quantitative feedback mechanism makes the training process more objective and scientific, and avoids the limitations of traditional training based on empirical judgment alone [2]. At the same time, the application of virtual reality (VR) and augmented reality (AR) technology allows dancers to simulate various performance scenarios in a virtual environment, which not only saves the cost and time of on-site rehearsals, but also challenges extreme movements under safe conditions and explores new boundaries of dance performance. These techniques not only enhance the dancers' spatial perception and stage adaptability, but also provide them with a platform for unlimited creative practice and inspire new inspiration for dance creation [3].

**Conclusion.** The application of modern information technology in dance creation and performance has greatly enriched dance's expressive techniques, improved creation efficiency, promoted cross-border integration, and enhanced the dissemination and influence

of dance. At the same time, it also provides dancers with a more scientific training method and promotes the innovation and development of dance art.

1. Style: This style makes the content clear and easy to understand, while also demonstrating a deep understanding and expertise in combining dance art with modern information technology.

2. Themes: This theme aims to demonstrate how modern information technology brings new development opportunities and innovative possibilities to dance art, and how it promotes the innovation and development of dance art.

3. Theme: This theme aims to demonstrate how modern information technology brings new development opportunities and innovative possibilities to dance art, and how it promotes the innovation and development of dance art.

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## AESTHETICS OF THE CHOREOGRAPHIC ART OF THE DAI ETHNIC GROUP

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Traditional Chinese art is diverse and unique. Its study is currently receiving much attention among art historians. Chinese folk dance is also the basis for many studies, as its stylistics, wide range of contents and differences in vocabulary are a reflection of the multinationality of the Chinese people and a demonstration of the cultural image of the Chinese nation. Dai dance widely and fully represents Chinese traditional culture and embodies deep national meaning and cultural heritage. The issues of preserving the basic elements of Dai dance and exploring its artistic beauty from the perspective of modern art aesthetics are important and relevant at present. Based on this, *the purpose* of writing this article is to reveal the characteristics of the aesthetics of Dai choreographic art and identify the characteristics of peacock dance.

**Material and Methods.** From the point of view of aesthetics, a science that studies folk dance art among other kinds, the history of ancient Chinese dance art is quite fully covered in the works of Chinese researchers. Of great value are Wang Kefen's "History of Chinese Ancient Dance" and Yuan He's "Course of Study on the History of Chinese Ancient Dance". The national originality of Chinese dance art was studied in Sun Qian's dissertation "Dance Art of China in the XX century: national originality and the influence of Western traditions" [1]. In the process of writing the article general scientific methods, as well as descriptive-analytical and comparative methods were used.

**Results and discussion.** Today, there are 56 ethnic groups living in the PRC, and each of these groups has its own unique culture in which the art of dance plays an important role. The choreography of each of these ethnic groups reflects both the themes common to all mankind: love, jealousy, rivalry, the ability to forgive, etc., and the peculiarities of life, culture and history of a given nationality. Kinship and ethnic ties have always played an important role in Chinese folk dances. One of the main reasons for this is the feeling of