

contemporary art, female images are used to explore more complex issues such as gender identity, body politics, and the impact of globalization on Chinese women [3].

3. Artistic innovation: Artists have continuously innovated in their portrayal of female images. In terms of technique, they have combined traditional Chinese painting techniques with Western oil - painting methods, such as using the free - hand brushwork of Chinese ink painting in oil painting to create a unique visual effect [4]. In terms of composition and color, there is an exploration of new ways to express the inner world and emotions of female figures, breaking away from traditional Western - style realism.

Conclusion. This study reveals the rich and diverse portrayals of female images in Chinese oil paintings from the 20th to 21st centuries. It shows how these images are not only artistic creations but also powerful tools for reflecting and commenting on social and cultural changes. The significance of this research lies in deepening our understanding of the relationship between art, gender, and society in China, providing valuable references for future art creation, art history research, and gender - related studies. In the future, research could be expanded to compare the female image in Chinese oil painting with that in other countries' art, and explore how emerging digital art forms may influence the portrayal of female images in the context of Chinese oil painting.

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THE DEVELOPMENT AND INFLUENCE OF DIGITAL TECHNOLOGY ON SCULPTURE ART IN THE 21st CENTURY

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Materials and methods. The rapid development of digital technology in the 21st century has profoundly changed the creation, display and dissemination of sculpture art. This paper by combing the development of the traditional Chinese sculpture, expounds the digital software and other digital technology application in the field of sculpture, analysis of the results of sculpture and digital technology, introduces the relevant famous artists and their contribution, discusses the influence of the digital technology on sculpture teaching and the world sculpture pattern, looking forward to the future development trend of sculpture art in the digital age.

In the 21st century, digital technology has swept across all fields, and sculpture has fallen out of it. From the traditional manual carving to the creation with the help of digital tools, the sculpture art is undergoing unprecedented changes under the influence of digital technology. This change is not only reflected in the means of creation, but also has a profound impact on the development direction, teaching mode and its position in the global art pattern.

Results and their discussion.

1.The rise of modeling software. In the field of sculpture creation, 3D Max, Maya, ZBrush, Mudbox, AI, VR, AR, and 3D printing have become important tools. 3D Max and Maya are the two most common and powerful software, just like the giants in the field of

digital art, providing artists with endless creative possibilities. 3D Max is a three-dimensional modeling software widely used in many fields of architecture, games, film and television. Its polygonal modeling function is like an accurate carving knife, allowing artists to create a variety of complex and changeable forms through careful adjustment of the polygonal grid [1]. Maya performs well in role animation and surface modeling, providing sculptors with a more flexible modeling method, which can accurately shape a variety of smooth curves and delicate surfaces, greatly expanding the possibility of sculpture creation. ZBrush With their unique functions and powerful expressive force, ZBrush and Mudbox have become the leaders in the field of digital sculpture, greatly expanding the creation boundary of sculpture art. ZBrush, Is a software known as the "digital sculptor's dream tool", its high-precision detail carving function is amazing. It allows artists to carve models in a virtual space as using real carving tools. Digital sculpture software can also be combined with 3D printing technology to transform virtual digital models into real physical sculpture works, providing more possibilities for the display and dissemination of sculpture art.

2. Innovation of digital engraving software. Compared with traditional manual sculpture, digital technology shows many significant advantages in sculpture production, which are reflected in many key aspects such as production efficiency, precision control, cost saving and creative freedom, which have profoundly changed the creation pattern and development trend of sculpture art. Digital technology in the application of sculpture display and spread in the virtual exhibition and online exhibition, virtual exhibition and online display platform for the spread of sculpture art display and opened up a new path, completely broke through the traditional exhibition in time and space, let the audience no matter where, can anytime and anywhere to appreciate excellent sculpture around the world, greatly expand the audience of sculpture art and influence [2]. The emergence of digital engraving software such as ZBrush and Mudbox has brought about revolutionary changes to the creation of sculpture. They simulate the carving process of traditional sculptures, and with various brush tools, sculptors can easily create high-resolution details on the virtual model, whether with delicate skin texture or complex hair effects. This highly free and efficient way of carving enables sculptors to express their creativity more fully, breaking through the limitations of time and precision of traditional hand-carving.

3. Synergism of integrated software. Photoshop And other two-dimensional image software plays an important role in the post-processing of sculpture, which is used to adjust the model material and light and shadow effects, and add rich texture and color levels to the sculpture works. In the large-scale sculpture engineering design, CAD software helps designers to accurately plan the size and structure, ensuring the feasibility and stability of the sculpture in the actual production. Each software collaborates with each other to form a complete digital sculpture creation process [3]. Social media plays an pivotal role in the communication of sculpture art, and has become an important bridge for the communication and interaction between sculpture art and the audience. With the popularity of social media platforms such as wechat, Weibo, TikTok and Instagram, more and more sculpture artists begin to realize the communication potential of social media, and actively use these platforms to share their works, show the creative process, and interact with the audience, thus effectively expanding the influence of sculpture art.

The application and development of digital technology in the field of sculpture. The application of digital technology in the field of sculpture is experiencing rapid development. In the early stage, digital technology was mainly used in the design and conception stage of sculpture. With the help of 3D modeling software, artists could more easily plan the form, structure and details of sculpture, greatly improving the creative efficiency. With the progress of technology, 3D printing technology is integrated into it, enabling sculptors to quickly transform virtual models into physical prototypes, breaking through the limitations of traditional manual shaping in complex shapes. Today, digital scanning technology can

accurately capture the morphological data of real objects or sculptures, being used for reproduction, restoration, and secondary creation. At the same time, virtual reality (VR) and augmented reality (AR) technology bring a new experience to the sculpture display, and the audience can enjoy and even interact with the sculpture in the virtual environment. This comprehensive penetration from design to production and then to exhibition continuously expands the boundary between sculpture art creation and communication, and more and more artists actively embrace digital technology and open a new chapter of sculpture creation [4].

The French artist JR and Google collaboration "Inside Out Project" is a typical result of the combination of sculpture and digital technology. The project uses digital platforms to collect photos of people around the world and uses 3D modeling and printing technology to turn them into large-scale sculptures placed in public Spaces. These sculptures show the faces of ordinary people from a unique perspective, triggering wide emotional resonance, and promote the communication and understanding between people in different regions. In China, some artists use digital carving software to design sculpture works with traditional meaning and very modern sense, which are manually polished and colored after 3D printing. For example, the sculpture created with the ancient beast as the prototype, digital technology accurately shapes the complex shape and clever posture of the beast. The final product not only retains the charm of traditional sculpture, but also shows the delicacy and innovation brought by digital technology. These cases show that the combination of sculpture and digital technology can not only break through the limitations of traditional sculpture in materials and crafts, and create novel and unique visual effects, but also make the sculpture works reach a wider audience, and realize the double promotion of artistic value and social influence [5].

The influence and prospect of digital technology on the future development of sculpture art. Digital technology will continue to profoundly affect the future development of sculpture art. In terms of creation, it will give artists greater creative freedom, the idea of different materials, structures and scales can be easily realized, cross-field integration creation will be more common, and the boundary between sculpture and architecture and installation art will be further blurred. In the production process, intelligent equipment driven by digital technology will improve production efficiency and precision, reduce production costs, and let more people have the opportunity to participate in sculpture creation. In terms of display and communication, online virtual exhibitions and immersive experience will become the norm, breaking the limitation of time and space, and enabling global audiences to easily appreciate sculpture works. But at the same time, it also faces challenges such as copyright definition of digital sculpture works and remodeling of aesthetic standards. Looking forward to the future, sculpture art will continue to innovate in the wave of digitalization, develop richer and more diversified art forms, and become an important art carrier connecting different cultures, across the reality and virtual world, bringing people more visual feast and emotional touch beyond imagination.

Conclusion. The digital technology in the 21st century has brought an all-round transformation to the sculpture art, from creative means to display and dissemination, from cultural inheritance to commercial application, from teaching mode to global pattern. The deep integration of digital technology and sculpture art not only enriches the form of expression of sculpture art, but also injects new vitality into its development. With the continuous progress of technology, sculpture art will show a more diversified and innovative development trend in the future, and bring more unique artistic experience to people.

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INTERCONNECTION BETWEEN THE UNIQUE CHARACTERISTICS OF THE ART EXHIBITION AND THE SPECIFIC CHARACTERISTICS OF THE WORK OF ART

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In the contemporary cultural context, art exhibitions serve not only as windows for artists to showcase their creations but also as bridges connecting creators, audiences, and art critics. As a unique presentation form of art, it profoundly influences our understanding, appreciation, and evaluation of art. This paper aims to explore how art exhibitions function as stages that highlight the characteristics of artworks and the impact of this process on art creation, dissemination, and reception.

Revealing the Core Functions of Art Exhibitions: art exhibitions are not merely physical display spaces for works but also media for transmitting artistic ideas, styles, and emotions. **Analyzing How Art Exhibitions Emphasize Work Characteristics:** through spatial layout, lighting application, thematic planning, and other means, how art exhibitions highlight the unique charm of works.

Materials and Methods. Case studies: select influential art exhibitions at home and abroad in recent years as research objects, including but not limited to contemporary art, traditional art, digital art, and other types; documentation: collect and analyze academic works, journal articles, and online resources on art exhibition planning, design, audience psychology, and related fields; interview data: conduct in-depth interviews with artists, curators, art critics, and audiences to obtain firsthand information on the relationship between exhibition presentation methods and work characteristic emphasis.

Literature review method: Sort out relevant art theories, exhibition history, and art criticism to provide theoretical support for the research; field visits: visit and analyze selected exhibitions, recording spatial layouts, lighting designs, audience interactions, etc; interview surveys: conduct in-depth interviews with curators, artists, and audiences to collect their views on the relationship between exhibition forms and work characteristics.

Results and discussion. **Spatial Layout and Lighting Application:** Research has found that through carefully designed spatial layouts and lighting effects, art exhibitions can significantly enhance the visual impact and emotional expression of works. For example, in abstract art exhibitions, simple and bright exhibition halls with focused lighting can highlight color contrasts and line movements, making audiences more focused on the formal beauty of the works. **Thematic Planning and Narrative Construction:** Exhibitions planned around specific themes can integrate the internal connections between works, forming a strong narrative effect. This narrative not only deepens audiences' understanding of work content but also stimulates their emotional resonance and cultural identity. **Interactive Experiences and Audience Participation:** Modern art exhibitions increasingly emphasize audience interaction, using digital technology, sensing devices, and other means to make audiences part of the exhibition, thereby enabling them to experience and understand works more deeply. Such