

Exploration of Space Art in Modern Landscape Architecture Design

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Abstract. In modern landscape architecture design, various types of landscape space art constitute the overall effect of landscape architecture. Effective design and utilization of landscape space and reasonable organization of the relationship between plants, water bodies and activity places can greatly improve people's aesthetic view of the environment. In modern landscape architecture design, the application of space art is a key content, and space exists objectively relative to time. In the actual process of urban construction, it is necessary to consider the basic character of landscape architecture and the hierarchy of mass demand development, add artistic content to modern landscape space, and give full play to the practical effect of landscape space. Space art is widely used in modern landscape architecture design, and more and more attention is paid to it with its own characteristics. Therefore, this paper will explore the space art in modern landscape architecture design, which is of great significance to improve the use and quality of space environment.

Keywords: Modern landscape, Landscape design, Space Art.

1. Introduction

With the rapid development of economy and society, people's life and work pressure is increasing. On the premise of increasing income, people pay more and more attention to non-material consumption and enjoyment, and the requirements for modern landscape architecture are increasing. In modern landscape architecture design, various types of landscape space art form the overall effect of landscape architecture. Effective design and utilization of landscape space, reasonable organization of the relationship between plants, water bodies and activity sites can greatly improve people's aesthetic view of the environment. In modern landscape design, the use of space art is a key content. Relative to time, space exists objectively [1]. In landscape architecture, the space with a certain capacity is called landscape space, and its constituent elements can be one or more landscapes. It fully embodies the inherent characteristics of landscape architecture through comprehensive design of leisure activity areas, plant viewing areas and other basic elements. The purpose of landscape design is to meet the requirements of people's life function and physical health, improve the quality of people's life, and enrich people's spiritual pursuit. The basic purpose of design is to provide convenience for people and meet their leisure needs in the garden. From the aesthetic point of view, the carrier of modern landscape space art is the space environment. With the help of artistic design and planning, the functional structure and size proportion of landscape

space should be coordinated and unified. However, with the development of the economy, although the concept of modern landscape design continues to develop and improve, it seems that there are still many defects in the corresponding practical operation. Many designers propose that if they want to achieve better results in reality, they should return to the local area, based on the local environment, absorb and learn from the experience of different disciplines, of which the garden art is an itch [2].

As an integral part of the urban environment, modern landscape architecture is of great significance for people's leisure activities. In the actual construction process of the city, it is necessary to consider the basic character of landscape architecture and the hierarchy of the development of the needs of the masses, add artistic content to the modern landscape space, and give full play to the practical effect of the landscape space. Space art has been widely used in modern landscape design, and has received more and more attention with its own characteristics [3]. A large number of applications of space art in modern landscape architecture design can provide people with more comfortable places of leisure and entertainment, enrich urban landscape architecture design functions with space design, improve the environmental quality of landscape space, not only meet the standard requirements of urban landscape design, but also meet the needs of people's life and development, make people's amateur life richer, and meet people's spiritual needs to the greatest extent [4]. Enrich people's daily activities and improve people's spiritual life quality

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from the perspective of landscape ecological health. Therefore, it is of great significance to understand the design principles and methods of landscape space in detail, and explore how to better organize and create the landscape space artistically to improve the use and quality of the space environment.

2. Basic knowledge of modern landscape garden space

2.1 The concept of landscape space

Landscape space art is one of the artistic forms based on the space environment, and it is an artistic design of landscape space from the aesthetic point of view, so that it can show the aesthetic art of landscape from many aspects such as scale space ratio, functional structure and plane layout form, so as to achieve the artistic pursuit of landscape space [5]. For the integrated landscape architecture design, the planning and layout of landscape space is one of the important links. Through the application of space art, reasonable collocation and integration of natural elements and hard pavement can effectively enhance the unity and aesthetics of garden landscape space, and significantly improve the external aesthetic effect and internal cultural connotation of garden landscape. The artistic expression of space design has been enriched. Taking frame landscape as an example, through the application of perspective principle, the landscape characteristics are effectively preserved, giving people a three-dimensional feeling. Modernist design style is a popular garden design style among young people. Modernist design is clean and tidy, suitable for gardens of all sizes, utopia and madness in crowded cities. This type of garden focuses on open and clean space, providing a perfect environment for outdoor life. The design of modern garden landscape garden is shown in Figure 1.



Figure 1 Design of Modern Garden Landscape Garden

When designing and planning landscape garden space, the basic components involved include hard pavement and the addition of natural elements. Asymmetry is the key to modernist garden design. Free and undulating space and the technology of making light by light are also its characteristics. The landscape of this garden is quite complicated, which is quite different from the more formal landscape of the classic ordinary garden. Rectangular lawns, water bodies, paths and even plants

are more intuitively connected to form a clearly defined irregular pattern. Clear lines enhance the horizontal and vertical contrast, and the design and use of water bodies conform to the architectural principles, and are usually used as reflective surfaces. Among them, the common natural elements include rocks and plant vegetation. In the aspect of hard pavement, buildings such as pavilions listening to the rain are generally chosen.

In a word, the application of space art in landscape architecture design can enrich people's visual experience and significantly enhance the artistic appeal of the whole garden. Landscape architecture design needs to reflect a certain sense of space and three-dimensionality, which is quite different from the planar two-dimensional map. On the one hand, we need to use diversified colors reasonably, on the other hand, we should focus on reflecting the layering and three-dimensional sense of the picture, so as to ensure that the aesthetic appeal of various elements in the landscape space can be enhanced and the artistic expression of space design can be further enriched.

2.2 Organization of landscape space

In landscape design, the analysis of landscape space from the perspective of plane composition shows that landscape space, as a functional node "point" with different sizes on the plane composition of landscape architecture, often occupies an important geographical or location advantage in the garden. The creation, delimitation and emphasis of space are the key to the success of modern gardens [6]. It mainly emphasizes outdoor leisure and enjoyment of life, and plants are often used as modeling elements. The neatly trimmed hedges, landscape trees and large areas of plants form a simple surface and barrier as a supplement to the horizontally extended wood, stone, cement or water surface. When designing the frame scenery in the space, we can use the perspective design principle to properly retain the unique characteristics of the landscape elements and create a distinct three-dimensional feeling. It can be seen that the proper use of space art in landscape architecture will gradually strengthen the artistic appeal of the overall space and bring more rich and hierarchical visual experience. In addition, the main service objects of landscape architecture should be fully considered, and differentiated construction facilities and functional areas should be designed to meet the needs of diverse groups.

The dynamic and static forms of space are organized. The static space, such as the lakeside landscape platform, is set up in the static landscape with less people flow, and the dynamic landscape, such as the entrance water spray square, is set up in the dynamic landscape with large people flow. The dynamic and static space is orderly connected, and the landscape space is organized into a festival feeling with similar music, so that visitors can feel the different artistic effects in the landscape garden design, so as to achieve the artistic design goal of the theme of the landscape space [7]. This design method, which is compatible with the principles of ecological health and the laws of natural development, not only does not damage the original terrain, but also reflects the artistic characteristics of the terrain space.

Through the rational use of terrain advantages, the ecological and sustainable development of garden space will be created. In addition, in the design process, avoid incorporating more artificial elements, but deeply combine the garden landscape and the external development environment of the city, deeply analyze the geographical environment of the garden construction area, and enhance people's sense of belonging through reasonable design.

3. Art design principles of modern landscape space

3.1 Human-oriented principle

The main purpose of modern landscape space in landscape architecture is to provide people with a place to rest and entertainment, so that the design can serve people. Therefore, when designing landscape space, we should combine the basic information of people using the landscape space, such as age, needs, etc., and fully consider the size, shape or function of the landscape space that needs to be designed. Both the design of landscape architecture and the construction of space environment need to implement the core idea of people-oriented, consider the basic principle of people-oriented, and incorporate various factors into the actual design and organization work [8]. As the shaper of architecture, city and landscape, the designer should be good at exploring the hidden complex structure, appreciating the surrounding beauty, and effectively presenting all the excavation on the map. This difference will be shown in the map to show a new understanding of urban space.

When planning the overall spatial layout of modern landscape gardens, we should try to organically combine the sports ability and viewing needs of tourists. If the designed space is too large, it will not only occupy the existing space of the city, but also seriously affect the actual viewing effect of people [9]. The planning and layout of modern landscape gardens often reflect different spatial environment features and styles. At present, landscape design mainly includes planning and specific space design. Most of the landscape design work that landscape workers are engaged in is the specific space design. Therefore, from the chivalrous point of view, landscape design is to reasonably arrange the space of the site and organize the design elements in the site to meet the functional requirements, and at the same time, give people sensory and spiritual enjoyment such as pleasing to the eye and edifying sentiment. Modern landscape design is shown in Figure 2.



Figure 2 Art design of modern landscape space

The space in landscape design is indistinct, because it mainly reflects the natural beauty, so the space design should pay great attention to the primary and secondary relationship of space and the creation method of space form. The concept of landscape design is constantly improved and updated with the improvement of human understanding of nature and their own. While providing rest and activity places for people, we also need to pay attention to the construction of ecological environment, such as absorbing air dust, improving the microclimate, beautifying the environment, etc. The designers should strengthen the awareness of ecological protection, respect the nature, design while protecting the original site vegetation, and create a healthy and environmental garden space for tourists from the perspective of ecological environment [10].

3.2 Adhere to the principle of rich landscape.

Specifically, space art design refers to the overall planning of landscape and spatial structure, in-depth combination of various elements and spatial positions in the landscape, to achieve a harmonious and unified effect, in order to enhance the overall appreciation of modern landscape gardens. In the process of landscape design of modern residential quarters, it is necessary to scientifically arrange the space from different angles, and consider artistic and practical factors to truly improve the internal environment of the quarters and meet people's demand for high-quality life in the new era. It is also necessary to select vegetation scientifically, do a good job in the correlation between different factors, and build a more high-quality modern residential community to meet people's needs for landscape planning. The landscape design of modern residential quarters is shown in Figure 3.



Figure 3 Landscape design of modern residential quarters

Plants, as the main soft elements of space design, are one of the main elements of landscape greening. It is the key to create the landscape environment by using the basic characteristics of plants and different planting methods in design. People's perception of space is obtained through exercise, and they can appreciate the landscape when they are moving forward or turning. For example, Suzhou gardens pay attention to twists and turns, twists and turns; Versailles, pay attention to plane geometry. Realizing the organic combination of spatial position and various constituent elements is the basic concept of spatial art design in modern landscape architecture. Its fundamental purpose is to obtain a unified and harmonious presentation effect, and greatly enhance the ornamental value of the whole landscape garden. When selecting plants, we should implement the working principle of adapting to local conditions to avoid affecting the growth of plants. In the actual design work, it is necessary to consider the direct impression of residents on the landscape, do a good job in scientific selection and configuration of plants, and optimize the functions of plants themselves to improve the satisfaction of landscape design in an all-round way.

Relevant designers need to deeply divide the visual feeling of space art, take scientific measures, effectively integrate human environment, natural environment, waterscape and scenery, and deeply combine and coordinate various elements. Modern landscape design needs to keep in mind that the dynamic range of human eyes is very large, and most of the sight guidance in a small space is on paper. Common in parks, wetlands, roads and other projects, the extension of the path is actually a huge space behind the scene. Through scientific arrangement of spatial elements, the layering of modern landscape architecture design is enhanced. For space art design, road landscape, green plants and rockery water are all important elements. The diversity of element forms and the complexity of content make the design more difficult to varying degrees.

4. Conclusions

With the improvement of people's living standards, the requirements for landscape architecture are constantly rising. People are not only enjoying leisure and entertainment, but also appreciating the beauty of space art of landscape architecture during the process of

sightseeing. This is also the important starting point and foothold for the extensive application of space art design in modern landscape architecture design. The design and construction of modern landscape architecture plays an irreplaceable role in the beautification of the urban environment. In the process of design practice, relying on the flexible use of space art, it helps to optimize the overall layout of the space environment. Pay attention to the research and exploration of space art. In the current landscape architecture design, landscape designers should fully exploit the advantages of space form, function and layout, and give full play to the landscape characteristics of different elements of space, which has high economic and cultural value for the innovative development of modern urban landscape architecture design. In the process of space art research, we should pay attention to the summary of existing experience and the analysis of classic cases, and the design ideas will be broader. Modern landscape garden design is the organic integration of different space art elements in the garden to design and provide tourists with a comprehensive leisure and entertainment place with comfort, beauty and ecological protection. Only by scientifically and reasonably organizing and designing different spaces and using appropriate materials to correctly express space emotions can we create an attractive, beautiful, comfortable, harmonious and ecological landscape for people.

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