

The application of artificial intelligence and zen space in interior design

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Abstract: With the rapid development of modern economy, the basic needs of modern people for living space begin to transition from the simplest “survival consciousness” to a more advanced “environmental consciousness”. How to create a kind of space that suits human psychology and physiology to live an environment is very important, this put forward new requirement to stylist people. From this, a kind of contracted, rich the dimensional design style of zen art conception begins faddish. This article emphatically from the artificial intelligence and zen space concept, connotation, characteristics and zen space shaping research three state and artistic conception, this paper expounds the zen culture and the perfect combination of indoor space design, emphasis on artistic conception shaping principle of the space, summarizes the zen space shaping method -- “person” as the most important factors to consider, focuses on the relationship between human and nature. This paper puts forward the use of material, modern light and shadow techniques, color induction, interface processing and artistic conception to create a zen space. However, as the design background of zen space, we cannot simply pay attention to the so-called zen artistic conception, but also need to meet people's use and psychological needs, so that people can enjoy the comfort brought by the space environment in life.

1. Introduction

The word zen comes from India and is based on the practice of “silence,” which can be represented as a retreat, a meaningful practice in Buddhism. Although zen is nominally from India, it has a vital connection with traditional Chinese culture and China's political economy. From the perspective of history, after the late tang dynasty, zen and Chinese Buddhism were closely linked, and it is only till now that zen is often considered as a thought of Chinese Buddhism. It can be seen that the development of zen has had a profound impact on the Chinese national culture.

If you want to be a zen master, you must have a zen mind. The most important thing in the design of zen empty questions is the state of mind, and the improvement of one's state of mind is the change after enough experience. In the process of understanding zen empty questions, the most important thing is self-understanding and self-understanding. In a small and impetuous state of mind, we use our intuition to taste the nature and beauty of the natural form of things. The beauty of the beauty of zen is a kind of static, static moment things let a person blundering, can regulate body and mind with static braking state of mind, this is the reason of we all know, especially for today's society, blundering psychology need through the external environment to adjust, and the beauty of zen meaning seems to have can have a syncretism of magic, let you find a quiet in the noisy world. To sum up, the beauty of zen is: simple, quiet, elegant, indifferent and immersed. When this aesthetic feeling blend in the empty that designs to ask when, uninteresting empty asks to also can become rich connotation.

With the rapid development of modern economy, people have higher and higher requirements for their living space design. Especially with the integration of Chinese and world cultures, people are no longer satisfied with the space design in the traditional sense. After all, China as a great country has 5000 years of culture, this broad and profound cultural connotation can be fully displayed in the aesthetic concept of people, it is in this context, the design of zen interior space artistic conception began to appear. Zen means meditation. In interior design, zen means static, balance, harmony and relaxation aesthetically. A space full of zen can “wash” the pressure on the body, to achieve the role of meditation. The establishment of the artistic conception of indoor zen

space is first of all a deduction of the current cultural background, and second is the application of culture based on the respect for contemporary culture. In the shape of indoor zen space artistic conception shaping emphasizes a simple and generous Chinese traditional beauty, in the use of colour trying to use soft neutral colour to bring people warm, natural and fresh feeling.

The shaping of zen space is not simply a simple expression of zen aesthetics, but a corresponding adaptation according to the development of people's aesthetic needs, so as to explore the interior space of the zen style. As an ethereal decorative style, the shaping of zen space not only respects zen culture, but also makes some bold attempts and explorations in some space designs, and even adopts some new creative elements. Although the shaping style of zen space is innovative in design concept and means, it is all based on zen aesthetic thoughts. Without zen thoughts, the shaping of zen space cannot take shape. The shaping of zen space is an embodiment of zen aesthetics, philosophy and culture in interior space design and layout.

With the improvement of people's quality of life, more attention has been paid to the promotion of traditional culture and the in-depth exploration of regional characteristics, thus driving the return to the new fashion of traditional living space. Especially in eastern countries, many countries attach great importance to Buddhist culture, and this culture is rooted in the deep layer of society, with a high degree of popularity, so zen life is the goal many people pursue. This not only expresses the respect for and inheritance of traditional culture, but also reflects the desire for inner peace and a return to a comfortable life in today's impetuous social environment, which is the fundamental pursuit of satisfying people's sensory experience. Therefore, based on this, this paper combines the zen-like thoughts with space design, which will obtain unexpected new feelings of use, so as to create an interior space with great zen cultural charm. , of course, we need to face the reality is that the development of urbanization makes we are in a high-rise, modernization degree very high city environment, the objective situation and zen space appears, has great differences and contradictions, it is difficult to achieve zen's pursuit of vision space atmosphere, it is hard to build a quiet depth of artistic conception. If only through the simulation and reconstruction of the design form, without considering the factors of artistic conception and taking this as the starting point to deal with the problem, then the final result is inevitably not satisfactory. The fundamental goal of creating a zen space is to publicize the idea that zen attaches importance to the spiritual world, and to convey the dual nature of the zen aesthetics of "plain, simple and beautiful".

2. Experimental procedure

The word zen comes from India and is based on the practice of "silence," which can be represented as a retreat, a meaningful practice in Buddhism. Zen advocates the transcendence and freedom of spirit through the intuitive experience of individuals and the way of thinking of meditation. Zen philosophy emphasizes making everything complicated and complicated simple, that is, only by making the simplest to the utmost can we achieve the most, so as to create the largest space for people to meditate and comprehend. From this perspective, the essence of zen is to emphasize the importance of self-regulation, so as to realize the symbiosis between man and nature, which is a kind of detachment from people's pursuit of spiritual realm, so that they can devote themselves to their daily work and life in a more positive attitude. From the point of view of design, we can first use the simple and simple design form to satisfy the zen participants to create their own spiritual realm, and then fully express the concept of "everything is empty". Creating such a comfortable zen space can well show an open space for people to feel, which is conducive to a positive attitude towards life, free and easy, free and unrestrained. Although the layout of this kind of space is simple and light, it is actually full of cultural deposits. Buddhist cultural thoughts are deeply buried here, making it a rare spiritual home.

The core idea of zen is ethereal. This is not only refers to the artistic style of a fantasy, elegant. It also means that the artistic thought should have a kind of spirituality and subtlety, a certain amount of emotion and intention, not too realistic. Zen aesthetics seems to be a little mysterious, pay attention to a feeling out of the world, the pursuit of an independent thinking of human nature, as an individual to have their own unique understanding of "zen", another understanding of zen can never

replace their own inner cognition. In fact, Chinese literati are very fond of zen and often associate zen meditation with poetic creation. Through careful meditation to understand the zen state, through the creation of poetry to understand the zen mood. In this regard, xie lingyun's creation of poetry and zen aesthetic combination is quite personal style. Throughout xie lingyun's poems, many artistic inspirations come from the traditional zen and a kind of “intuition” of the landscape, with a very distinctive zen thoughts. Careful study of his poems all use Buddhist scripture, and personally marked the source. Focus on personal subjective feelings, subjective emotions into the object, so that the winner individual can get effective communication, so that the work is more attractive, he called this form of artistic creation “things I assimilation”.

“Vitality and reality” embodies a dialectical relation that seems to have nothing. From the perspective of zen Buddhism, it has a special explanation on the expression of virtual reality. The virtual reality is just an experience beyond the real feelings. It is the use of “empty” to pursue “real”, that is, to break the virtual into real, so as to give people an infinite visual experience. Such can make the person that is in its environment obtains interior open-minded with extricate, still can enhance dimensional dimension to feel, have a kind of far-reaching feeling. In addition, it is necessary to sublimate the emptiness embodied in the environment to the state of “nothing” as zen said, so as to produce the effect of the complementarity of reality and emptiness, that is, to experience the condition of “having” from “nothing”. Li yu mentioned in his works that if the same thing is designed differently in space, it will bring people completely different artistic feelings. Through reasonable layout, the whole space can reflect a stronger artistic quality and highlight the extension of space, thus presenting a landscape full of interest and showing great interest in viewing. See fig.1 and 2.



Fig.1 virtual and real design of interior space



Fig.2 combination of virtual and real in modern zen space design

“Real” as the show under the condition of physical thing is limited, and as an art space in the scene, is full of a lot of imaginary space, the designer's feelings, and this kind of imagination and emotion has far beyond the boundaries of the entity, do is virtual, deep connotation, thus builds a classical gardens and indoor space special aesthetic feeling. In the heyday of the tang dynasty,

designers were able to take appropriate measures to solve the problem of empty interior space. Most of them would choose curtains to melt, making the space scale suitable. Using this kind of curtain account, not only can it be fixed directly, can also be combined with the indoor space pattern, it is proper to surround close, so that to reasonably divided into interior space, according to the functional needs, set up different functional partition, the single interior space becomes rich and flexible, and the use of soft materials division is no clear space boundaries, produce a kind of actual situation of artistic conception. In addition, the use of this way of dividing the space will also produce a sense of order imperceptibly, forming a flexible conversion between the virtual and real interior space, mutual infiltration, fully show the zen way of virtual and real. For example, in the courtyard-style architecture of classical gardens, each individual building is an entity, while corridors and walls are relatively empty parts that connect with these physical buildings. The combination of the two creates a virtual and real space. Walking in such a space often gives people a cyclic experience.

3. Results and discussion

Zen is a kind of culture, is a kind of life attitude, can also be a design style. In modern design, we can integrate the idea of zen into the interior design, let people experience the clean and pure beauty, rich connotation of the United States, in the air to experience the combination of virtual and dynamic, is now the designer and people's pursuit of things. When designing business questions, people in the west often express them in a classical and elegant way. In China, we are most familiar with the ancient Chinese culture, and the essence of these cultures has also had a huge impact on contemporary design. For example, furniture of the Ming and Qing dynasties, landscape ink u, architectural decoration, carved and carved Windows, etc. are used in the design, which are representative decorations. However, the expression of zen and Chinese style and completely small, but small want to conflict, can be a combination of the two. Modern society people more and more feel aftertaste history, experience the importance of the spirit of traditional culture and the beauty of it, and this design concept can also be widely recognized, in the experience of traditional culture at the same time, to feel the heart of the empty ask that a simple, quiet and elegant atmosphere. So, what elements should we pay attention to in zen empty design? We can discuss lining from the aspects of lighting, materials and techniques.

Lighting design plays a role in rendering the environment and atmosphere in interior space design. A good space asks, the choice of lamplight is crucial. Then, the shaping of commercial space should be more attractive. When the beauty of zen is expressed in commercial space, the lighting design can highlight the atmosphere of space. For the shaping of light, we can express it from three aspects: first, we can make use of the intensity of light to make a flicker in a wide range of basic lighting brightness, and disperse certain light effects to enrich the environment level; The second is the choice of lamps and lanterns, when we choose lighting lamps and lanterns it is best to choose to see small light source without dazzle light lamps and lanterns, the soft light produced by this kind of lamps and lanterns can completely let a person get relaxed, good rendering empty atmosphere of history, in line with the zen commercial empty demand for artistic conception; The third is the choice of light colour temperature. We often want to create a quiet atmosphere in zen sky, which can be expressed through colour temperature. Empty ask in with warm light is fundamental key, receive the light with one blue ask to asperse the coping that falls in empty ask and predict part, make whole empty ask be enveloped by one pyloric, achieve quiet effect thereby. However, zen known stresses the feeling of nature, simplicity and tranquillity. The application of natural light is also the key to shaping known, which can make it full of interest and rhythm. When the sunlight from the outside shines into the interior, the building and the light interweave to form a dappled and dripping, and the generated light beam seems to be touched by the hand, which is the true portrayal of the fusion in nature.

Material affects people's sense of touch and visual perception, which is the key point of the design. The beauty of zen is different from the western classical style, and the selection of materials is mainly natural, comfortable and ecological. You can choose natural wood, stone, bamboo, rattan,

fabric and pottery to show the quietness and calmness of emptiness.

Because the idea of zen is the pursuit of nature, so the choice of colour is more natural, such as the use of soil like beige or gray department, can give people a sense of peace and relaxation. Additional, the feeling that pays attention to a space to the vision, emphasize with the vision of continuity perforate in asking empty before in, this asks the me tope in asking empty, ground, the fall of the colour that asks with furniture small appropriate is too big. Design is to want to accord with the criterion of contemporary aesthetic however, the bright colour that can use an ornament on colour selection, for instance usable orange and lake are blue, orange and log colour are close, its use lets a region very vivid, the line of sight that lets a person forms focus, achieve orderly empty ask the effect. The lake is taken from the blue and white porcelain, the use of the lake to ask with some quiet and calm.



FIG. 3 roof design

If you want to highlight the zen in the design, appropriate techniques can make the expression of empty mood come naturally. We can use the five senses to understand zen, in addition to the visual sense can also use the sense of smell, namely smell zen. Use candle sweet in indoor air ask, pure and fresh flavour can make a person more comfortable, also can have the effect that purifies air at the same time, of course such faint scent also is the catalyst that makes the person enters zen state. In addition, you can also feel the zen with your ears. The sound of the bronze bell striking the time in Buddhism is very ethereal, so is the wind bell. These techniques can also be transformed and used with the help of your ears. Extremely brief technique asks processing in the empty, simple small tedious asks in the empty also conforms to the zen condition, therefore the metope is decorated as far as possible contracted, achieves the me tope simple but elegant to simplify, this also conforms to in the Chinese culture and art “leaves the white” the technique, the thin can run a horse, the close small breathable principle can reflect the order which asks in the empty. Decorations can also highlight the zen, with sticks, asparagus, ink u to decorate the empty ask, let the simple and efficient empty ask with fun.

4. Conclusion

In the rapid development of society, interior space is the part that is most closely connected with people's life. People also began to have their own understanding of the quality of their interior space environment design and the interpretation of the design style. This paper expounds the perfect combination of zen culture and interior space design from the perspective of zen aesthetics, emphasizes the shaping principle of artistic conception space, and summarizes the shaping method of zen space, that is, “human” is considered as the most important factor, focusing on the

relationship between human and nature. This paper puts forward the use of material, modern light and shadow techniques, colour induction, interface processing and artistic conception to create a zen space. The zen aesthetics thought that all the natural things have the vitality, should give full respect and protection, realize the ecological sustainable development. Although the current design style variety, also easy to make people dazzling, but a lot of people prefer zen style, can also be said to be a simple style. It is precisely because people are keen on such a simple and fresh space environment that designers apply the zen culture to the space design, and the shaping of the zen space artistic conception also becomes a key link to be paid attention to. The essence of zen culture advocates “quietness” and advocates the harmonious coexistence between man and nature. “zen” can be interpreted as the quietness and continuity of all things in the world, which is a kind of transcendental realm of life. And zen space is also in accordance with this fundamental principle of the proposed design concept. So should the zen indoors space artistic conception in the process of shaping, reduce the design elements of heavy and complicated, whole space design style is extremely brief, plain, the choice of material also is pristine, as far as possible on colour abandon too gorgeous, most are plain with natural characteristics, appear the space of whole shape low-key and composed. Although less magnificent, but it shows the transcendent retreat and sublimation, in such a zen space can let the heart be released, to feel the beauty of zen, to feel the self.

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