

Emotional Research on Furniture Design based on User Experience

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Abstract

With the quickening pace of life, people's life pressure has been infinitely enlarged. Busy life makes people's spirit tense for a long time, which also leads to many physiological and psychological diseases. Because people live indoors most of the time, furniture has become the item that accompanies people for the longest time. In order to help people relieve fatigue, furniture designers need to pay more attention to users' emotional experience when designing, which can bring relaxation to people to a great extent. This paper analyzes the research of home design to bring emotional communication experience to users. Based on user experience, humanization and emotional factors are integrated into furniture design to enhance furniture affinity and make design bring spiritual support to people.

Keywords

User Experience; Furniture Design; Emotional.

1. Introduction

Nowadays, the fast-paced life makes people suffer mental squeeze, which leads to physical and mental exhaustion and many sub-health problems. So, how to help people in the return to the interior so that tension can be relieved, let life become more relaxed furniture designers should consider and actively solve one of the important issues. The furniture that pays attention to user's emotional experience is more humane, and at the same time, it can alleviate people's exhaustion.

2. Emotionalization is the Trend of Home Design in the Future

In the past, due to the slow development of economic level, People's requirements for furniture are very simple, Just need to meet the use function, Don't care too much about whether the furniture is beautiful, I care more about whether it has practical functions, For example, in the 1980s and 1990s, students' desks and chairs were basically composed of steel frame sandwich panels, Lightweight and fast moving is its characteristic, but its disadvantage is that when the service life increases, its bearing capacity will also decrease, and the steel bracket will easily bend, which will lead to unstable desktop and greatly affect its height. At that time, the choice of tables and chairs given to users was not high, and people didn't know engineering knowledge, which led to the re-purchase of tables and chairs after creases. This problem was not effectively solved for a long time. However, as a furniture designer, we should analyze the problems in the use of furniture from a professional point of view, and the design material problems to be solved first. For example, high-quality steel pipes can be used for steel pipe furniture, which is conducive to prolonging the service life and lasting load-bearing capacity of steel supports and is not easy to deform. When designing wooden furniture, you can choose high-grade wooden materials. Before use, you can ensure that there is no defect, no rotten wood, no moth, etc. It should be noted that the wood twill of the stressed part should not be greater than 20%. The design should conform to ergonomics, For example, when designing a seat, it should be

considered that its height meets the conditions of keeping thighs horizontal and calves vertical. This is conducive to putting your legs flat on the ground, which makes people feel comfortable. If the seat height is too high, it will cause your legs to hang up, and the muscles on the back of your thighs will be compressed, resulting in poor aortic blood flow. It is easy for your legs to swell and your legs to swell, which makes people feel tired. If the seat height is too low, the back muscles of the human body will tighten and the waist will collapse, which will lead to lumbar muscle strain and back soreness. Based on this situation, before design, we should actively investigate and consult relevant data to find the most suitable human body scale for Chinese people. After consulting, we know that the seat height that can make Chinese people get the best comfortable experience is 380-450mm. However, most high-end furniture shopping malls and manufacturers in mainland China, For many years, we have been adhering to the concept of "small profits but quick turnover", Mass production and sale of outdated household products, The furniture market has almost stagnated, However, the furniture produced by Hong Kong or foreign-funded multinational furniture enterprises is often updated. And gradually move towards high-end, so the market share of high-end furniture has been occupied by it for a long time. High-end furniture not only values materials and crafts, but also considers humanization and emotion while paying attention to practicality, which is worth learning from domestic furniture designers.

At present, most customers' functional requirements for home are often lower than their emotional needs. Such users pursue higher user experience. If they can label a kind of furniture, they can also reflect the personal taste of users. For example, Japanese furniture design has a small and exquisite effect, so most of these customers like fresh style; Nordic furniture design emphasizes individuality more, so most of these customers like simple style; American furniture design is natural, so most of these customers like sunshine style. Only when designers deeply understand the emotional needs and personality preferences of users, can they design a more appropriate furniture style with users, and then produce emotional communication with users, so that customers can get spiritual satisfaction. Furniture design emphasizes thorough research and analysis of users' psychology, Think from people's behavior habits, life tastes, ways of thinking and other angles, How to make furniture add icing on the cake to the original basic practical function, Only by optimizing the design can users feel comfortable in the use process. At the same time, in the design, people's psychological and physiological needs should be met, and spiritual respect should be given to them, so that the overall furniture design is full of humanistic care and users can feel the design temperature of furniture. For example, the original intention of "Barcelona Chair" is to welcome the royal family, so it emphasizes elegance and nobility in shape, so as to give the royal family psychological and emotional satisfaction. Its shape radian is beautiful, and it is composed of stainless-steel frame. The leather pad shows noble temperament, which can give users a sense of noble spirit both in touch and vision. As soon as this chair came out, it was loved by the royal family. Today, this shape has also won the favor of countless users. In many European-style home designs, this chair can often be seen. It can be seen that this chair is a successful example of satisfying people's physical and mental feelings.

3. The Analysis of Nostalgic Emotional Factors in Furniture Design

After investigation and study, the author found that people in every era will miss the objects that appeared in the past, especially the furniture objects with nostalgic attributes, so people hope that these objects will be treasured. In addition, the dominant factor in people's decision to buy furniture is often based on past experiences or imaginary pictures, rather than the function of furniture, which shows that furniture is a medium for people to express their emotions and communicate with them. For example, many furniture buyers prefer furniture

with dynasty marks, such as seats of furniture in Song Dynasty or wooden doors in Ming and Qing Dynasties. These representative furniture in specific periods can convey users' sentiments and awaken users' good memories. Among Chinese furniture, high-end customers belong to a special group, and they are more inclined to collect all kinds of Chinese classic furniture, especially the furniture produced more than 20 years ago. The carving of furniture in this period is very unique, which can better reflect the unique Chinese charm of Chinese patterns, elegance and generosity. The history and culture reflected by furniture makes these furniture lovers crazy and willing to pay high prices to take them home for collection. High-end furniture buyers in the department also have the psychological demand of "basking in wealth", and people pay more attention to its price than its cultural connotation. It can be seen from the above that the treasured high-end furniture can attract the attention of buyers and affect the emotional changes of buyers.

4. The Analysis of Emotional Factors in Furniture Design

Using emotional factors refers to the emotional factors produced in the process of using by buyers, and a good use experience can make users have pleasant emotions. A good furniture can not only bring convenience to users functionally, but also bring good artistic conception to users from the spiritual level. It can bring visual impact and emotional resonance to buyers, which is the most important factor affecting whether contemporary people buy furniture or not. For example, "Strange Havana Chair" can not only provide users with basic functions, More importantly, its design connotation is very profound, Perfect interpretation of the concepts of time and space, when users sit in this chair, they will unconsciously be contained in a relatively independent space, where users feel warm, comfortable and free, cut off from the outside world, can produce the pleasure of being alone, relax their bodies and minds, and are very suitable for reading books or staring blankly. From this point, it can be seen that designers should consider user experience and user needs to design furniture products. Contemporary people are mostly in complicated downtown. If furniture can provide people with a comfortable private space, it will greatly enhance users' goodwill and get good evaluation. There is also a kind of user experience that is obtained after the product interacts with each other. If the user gets an unimaginable experience when using the product, he will support this kind of product. Even when he does not use the product, when the user thinks of it or sees it again, he will still have a pleasant experience, and feel the product again with his eyes and heart, thus obtaining an emotional communication experience. It can be seen that if furniture design can drive users to consciously associate or consciously touch, then such a design is undoubtedly successful. Therefore, if users can get a good experience and have emotional communication with users, the probability of users looking at products of the same brand will be improved to some extent, and they will be willing to pay attention to the brand, inquire about its products, generate purchase ideas and subconsciously recognize the brand. In marketing, this is called "user loyalty". Users love the same brand and have expectations for the whole brand. This process also belongs to another kind of emotional interaction.

5. Concluding Remarks:

Home design with temperature can bring fresh or nostalgic good experience to people, and the artistic conception brought by the product itself can often affect the purchase rate of users. A good home design can not only bring practical basic functions to users, but also produce emotional communication with users. Therefore, home designers in the design of home products always add emotional factors to meet the emotional needs of customers, in order to produce more friendly communication with customers.

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