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Simple analysis on application of plane design elements in indoor design

Xiaorong Zhang

Luxun Arts College, Yanan University Shannxi Yanan 716000, (CHINA)

ABSTRACT

Within recent years, the plane design elements are applied in the indoor design more and more. The plane design is mainly to utilize the treatment and integration for color, graph and word so as to realize the purpose of communication for emotion and information. As a whole, the plane design is a kind of activity to serve for vision, how to optimally optimize the vision effect must be considered by the designer. this study defines such three application concepts as the plane design, indoor design and plane design elements, and then, the application characteristics of plane design elements in the indoor design are analyzed, mainly showing the such characteristics as distinctive layering, multi-level and diversification and summarize the thought of plane design in the indoor design. On the presentation mode, the subjective initiative should be exerted; the application on technology should be more flexible and unique. In combination with such three kinds of elements as graph, color and word, the reasonable collocation and treatment shall be performed and the specific methods are raised. The study shows that, pertaining to the characteristic of indoor environment as well as spatial structure and form, the unique style and so-called personality can't be pursued eyelessly; on the contrary, it is enabled to conform to spatial structure. The designer should organically fuse various design elements and create the excellent works full of aesthetics and visual impact feeling.

KEYWORDS

Plane design; Indoor design; Element; Application.



INTRODUCTION

With continuous pushing of modernization and global informatization process, more and more people begin to concern the importance of vision media in the living. The plane design is an important content in the vision media and is widely applied in various industries and fields in the society. Under influence by visual language appeal and technology upgrading, the plane design is widely applied on the indoor design so as to reach the vision experience with different styles and characteristics through processing, reorganizing and creation for various design elements. The plane design plays an important role in the indoor design and even influences the quality and style of indoor design.

DEFINITION ON CONCEPT

Plane design

The plane design is a kind of design activity to show the information and emotion towards people through design creation by utilizing the artistry and professional design concept and serving the vision as the carrier. The variety of plane design is complicated, however, there is one invariable point, namely, and the vision is provided with an irreplaceable function in the design. The element to constitute this vision is same uniformly, including the pattern, color and word. Actually, the content of plane design is to design and reorganize such visual elements as color, graph and word by adopting the art means in a plane two-dimensional space so as to finally realize the purpose that the specific theme and emotional information are conveyed to people. The plane design emphasizes the arts' expression force and impact force of visual effect so as to win masses' identification and appreciation; the plane design is provided with the function of emotion and information communication, virtually, it is designed for the purpose of communication. Additionally, the plane design is also provided with the action that the vision is regulated so as to reach certain degree. With people's diversification for arts demand, the plane design is applied into the indoor design more and more, the plane design is utilized to change the visual elements and audiences' aestheticism, and the visual design creation for indoor two-dimensional space is performed to realize the new type of visual language.

Indoor design

The indoor design is to perform the processing and design through spatial structure and located environment of design subject by applying the substance materials, process technology and architectural aesthetics principle so as to create the comfortable and beautiful indoor environment that can meet peoples' psychological and physiological demand. The indoor design is a fused product of people's aesthetic idea and living environment demand so as to not only realize the due value of spatial environment but also meet peoples' living functional demand. It is spoken from another angle that the indoor design can also reflect the audiences' spiritual outlook and fashionable styles and features in contemporary society.

Plane design elements in the indoor design

The plane design elements are composed by graph, word and color. Actually, the working principle of plane design is to reorganize, arrange and design the visual graph, color and word as well as convey certain information and emotion onto audiences.

In the process of performing the traditional indoor design, whether the design is successful is decided by spatial layout and modeling as well as material application. However, the people increasingly find that this kind of too monotonous decoration and design mode can't meet people's demand for arts and visual sense. With people's appeal change for visual effect, the application of plane design is frequent more and more. Some excellent works and design concepts emerge continuously. The designers with superb skill enable that the graph, color and words are provided with intelligence and elegance like as soul so as to increase the rich vision and spiritual experiences for indoor design.

APPLICATION CHARACTERISTICS OF PLANE DESIGN ELEMENTS IN THE INDOOR DESIGN

Application extensiveness of plane design elements

The application of plane design elements in the indoor design is to further show the vision change of indoor space mainly through the creation of two-dimension plane. It is observed in accordance with current indoor design concept that the main design thought is to "infinite" the limited space, the so-called infinity refers to the infinity of visual language design sp as to highlight the comfort of living. In the indoor space, the plane design elements are applied to enrich the vision expression form of indoor environment so that the limited space exerts the infinite potential.

It is observed from the surface that the plane design elements seem to be single; however, after processing, ranking and reorganizing, these simple elements may show beautiful color and present a kind of refreshing feeling. The plane design elements are applied widely in numerous small house types. Subject to study, 30-50m² house is further applicable for exerting for plane design elements. For example, in certain indoor design, the designer utilizes the reasonable layout planning and fully exerts the spatial connotation and characteristics so as to bring about a kind of strong vision impact for people, meanwhile, too mess can't also be shown, the design figure is as Figure 1 below:

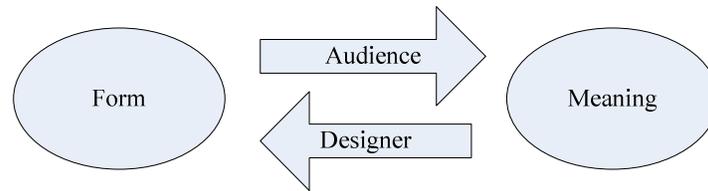


Figure 1 : Image figure between “form” and “meaning”

Distinct layering sense

In the application of plane design elements in the indoor design, the multi-level and diversified vision effect may be shown through multi-angle design for space. Under the condition that the house’s truss is lower, the design elements having spatial layering sense may be employed to strengthen the presentation effect of indoor space so that the house can show a kind of broad and comfortable emotional experience for people while working and living so as to avoid leading to hollow feeling due to narrow space. While designing the house specifically, the house owner may raise some view and wish to hope that the designer can add the view and wish while designing the house so as to express owner’s emotion and wish. That is to say, the plane design also is a kind of reoccurrence of emotion. While responding some design requirements raised by the owner, through the coordination for wall body and color rendering, the appearing for a kind of emotion layering and an integral whole effect shall be reached, therefore, it is provided with destructive property and is provided with very strong instable sense (referring to Figure 2).

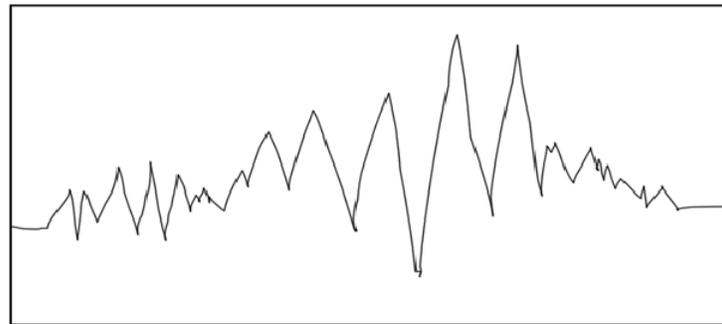


Figure 2 : Distinct layering sense of folded line

APPLICATION THOUGHT OF PLANE DESIGN IN THE INDOOR DESIGN

Exertion for subjective initiative on expression form

The vision effect of graphic design elements shown in the indoor design lies in the application for element integration and arrangement. While designing the indoor space by applying the graphic design elements, the reasonable planning should be performed properly, and the design should be implemented in planning and strategy, strictly prohibiting random collocation and cursory design. While designing, the designer should pay attention to the exertion for presentation form. On specific operation, we can reorganize and splice the sequence or order so as to highlight the theme and style of indoor design and show a kind of amazing feeling towards people. The order change is a kind of conventional strategy in the plane design, this kind of change is expressed through some definitive form disciplines. For instance, in the process of some indoor design, the designer only uses the black and white style to implement the decoration. Through changing the order, various irregular graphs, crossings, twisting or latitude are formed to enable that the people seems to be in dreamlike space, as shown in Figure 3 below.

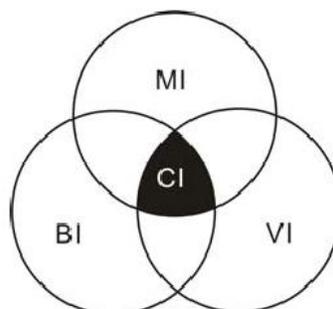


Figure 3 : Using the black and white style to implement the decoration

Technology application

In the space design, the deduction for space and form of graphic design elements can't be relied only, the materials and media presentation with different materials and properties are also required to be utilized to realize the artistic vision experiences, the designer's excellent skills are required for processing. In the processing and creation of art, the technology effect frequently is an important factor to influence the quality of works, good thought and idea must also be shown through high-quality technology. For graphic design elements, the effect may be played better by application of technology. For example, in some buildings with special characteristics, different patterns may be shown frequently in the interior and exterior. There is a coin shape in the exterior of Yuan Mansion in Guangzhou, while the colorful design pattern is performed in the interior, all these forms are also designed under the condition that the original space size isn't changed. Obviously, it is evitable for technology application to realize this excellent and characteristic design. This kind of technology is applied to provide multiple demand and services for audience. Under different time phases and conditions, the different characteristics can be embodied and may be called as wonderful artical excelling nature, The designer may freely deal with various conditions under various through technological processing and organization for color and line so as to show automatic feeling, as shown in Figure 4. While applying the technology, the measurement for specific data should also be considered, and the formula is applied for calculation. For example, for measurement of decoration site, this formula $S=(A+4)\times(B+4)=S$ bottom+2L exterior +16 may be utilized; while calculating the net area between main walls, this formula S bottom-(L middle×wall thickness +L internal ×wall thickness)may be utilized for calculation.

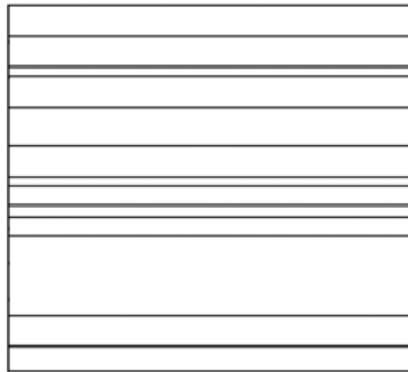


Figure 4 : Technology application of threadlet

TREATMENT FOR VISUAL MEDIA

Each kind of visual media is provided with unique characteristic and function, the designer is required to select appropriate visual media based on different design demand and specific spatial structure and design the works with unique aesthetic sense. There are many kinds of visual media, covering light ray and references conventionally. However, some unconventional visual medias can frequently show diverse effects under specific environment and angle, for instance, a hectic glance or connection of blue sea and sky. If appropriately, the unexpected pleasant surprise may be brought for people. Only under the condition that the visual media is applied artfully and organized effectively, the maximized exertion for advantage of graphic design elements can be realized, as shown in Figure 5.

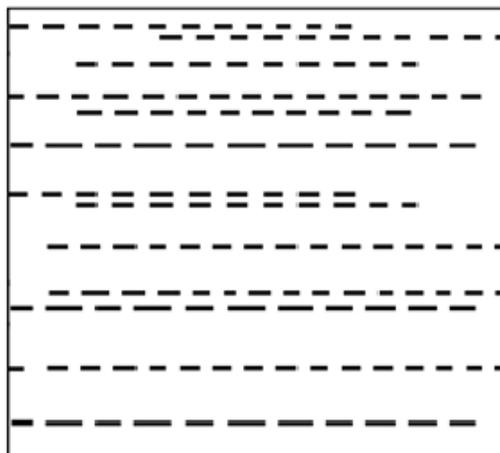


Figure 5 : Treatment for visual media of virtual line

Firstly, when we integrate and process the visual media, the influence and coordination for other factors should be emphasized. We know that the space of each house isn't single, including such different functional areas as kitchen, guestroom and bedroom. In the process of design, the coordination with different functional areas should be noticed, the design for certain area can't be isolated, and the purpose of our design is to fuse each area integrally. Secondly, while integrating the visual media, the random and natural status is required to sufficiently combine house's spatial environment and structure and avoid unnatural and deliberate expression. In some unsuccessful design works, we frequently find that, after excessively integrating for visual media, the designer enables that the comfortable family becomes the inn with weird style. Therefore, while designing, the emphasis should be grasped so as to avoid digressing from the subject. Secondly, in the integration process of visual media, the demand and aspiration of house's owner should be considered sufficiently. For example, some people like warm and comfortable living environment, while designing the house, the application of warm color should be emphasized, the complex graph with protruded corner angle should be avoided for use, and some gentle elements should be applied further to decorate and design the house. Additionally, while designing, the external environment change may also be aided to perform the optimization and design.

The application and integration of visual media is a main point of the whole graphic design. If the application is appropriate, the optimal allocation for spatial design can be realized so as to enable that the indoor environment becomes more colorful, comfortable and relieved.

SPECIFIC METHODS ON APPLICATION FOR GRAPHIC DESIGN IN THE INDOOR DESIGN

The graph, color and word are the main elements in the graphic design. How to reasonably allocate and dispose these three kinds of elements is the key that the designer completes the works better and also is the key that the visual effect of whole space maybe presented perfectly. The specific methods for these three kinds of elements while performing the indoor design shall be introduced by us below.

Application method of graph

If the design element is a key of visual effect, the graph is a key in the design elements to intuitively produce the influence on effect and connotation so as to realize the transmit and embodying for visual effect. While applying the graph, it can't be served as a kind of tool used for decoration or statement. The designer should fuse the definite emotional color or theme sentiment into the graph and utilize the similarities of other rest things to perform the multi-level and multi-angle integration and division so as to form new visual language. The graph not only is a kind of simple symbol but also expresses a kind of specific emotion and information through optimization and design for visual language. The perpendicular line is provided with clear, pure, direct, initiative and airy characteristics so as to give people's lofty and upward sense, being provided with doughty personality (referring to Figure 6).

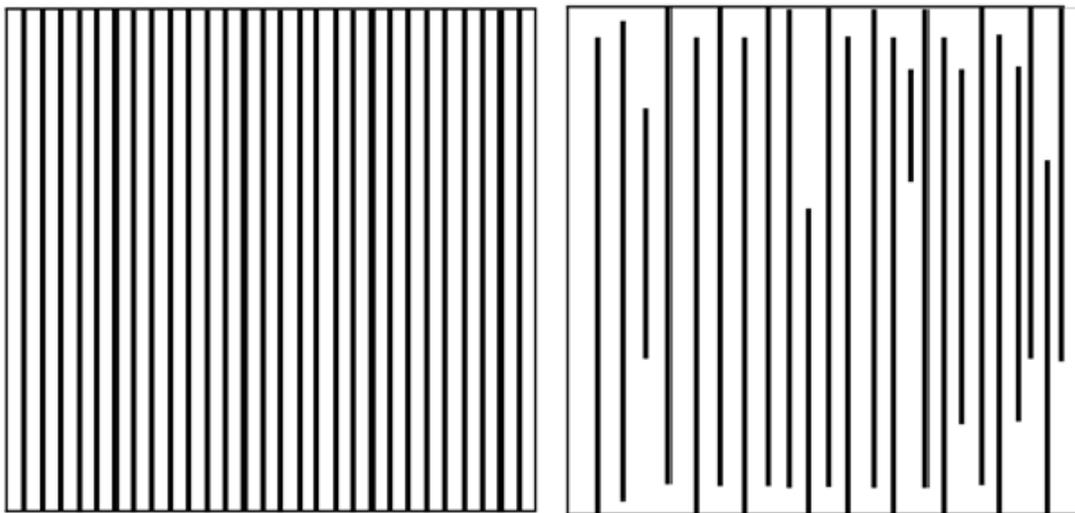


Figure 6 : Perpendicular line

Someone treats the graph as a kind of language figuratively--- a kind of language that the region or country isn't served as the division element. People's pursue for beauty is consistent, a graph full of aesthetic feeling enable the people to feel the pleasure. Under the premise free of word description, the graph is served as a kind of visual language to transmit the information and emotion, this kind of advantage isn't possessed by other elements. However, while applying the graph, the blind creation for something new and original and pursuing for uniqueness and fashion can't be performed, because each audience' aesthetic appreciation is inconsistent completely, thus, it is required that the designer pays attention to the combination between indoor environment and structural characteristics as well as listens to house owner's some design

suggestions on selection of graph. This works not only embodies more natural and aesthetic graph in the spatial design but also highlights that the house owner loves the living so as to show the information and emotion expressed by the visual language.

In addition, on application of graph, too preciseness and restraint should be avoided. After the indoor environment and structure are analyzed reasonably, some rich graph forms may be applied dauntlessly. The abstract, specific, complex or simple graph must give people the violent emotional experience for visual feeling through creation so as to enable that the information and emotion contained in the design may be transmitted to the audiences perfectly to lead to meaningful afterthoughts as long as elaborate selection and integration together with brave exertion. In the design, certain pattern shall be fused to beautify the dwelling link and give people's joyful feeling. The pattern subject to changed design shall be utilized to increase the indoor aesthetics.

Application method for word

Word is a kind of important visual communication form. While performing the indoor design, the applied modes and methods are also very rich, mainly including readable word and unreadable word. It is observed literally that the readable word is kind of word with specific meaning. The content and size for this kind of word can be understood by people clearly and explicitly so as to sufficiently embody the design theme and style characteristics after being integrated and designed appropriately. Unreadable word isn't provided with essential meaning actually, however, this doesn't mean that the contents and expression form for this kind of word may be selected and used randomly. For selection for unreadable word, it is required to realize the processing for word through summarization, refining and exaggerated expression technique as well as appropriately implements the ranking, reorganization and superposition so as to enable it to be provided with special aesthetics and can also embody the design theme and characteristic on the language expression. The horizontal line is gentle and is provided with inherent tension so as to give the people most profound quiet, frosty and passive impression. (Referring to Figure7).

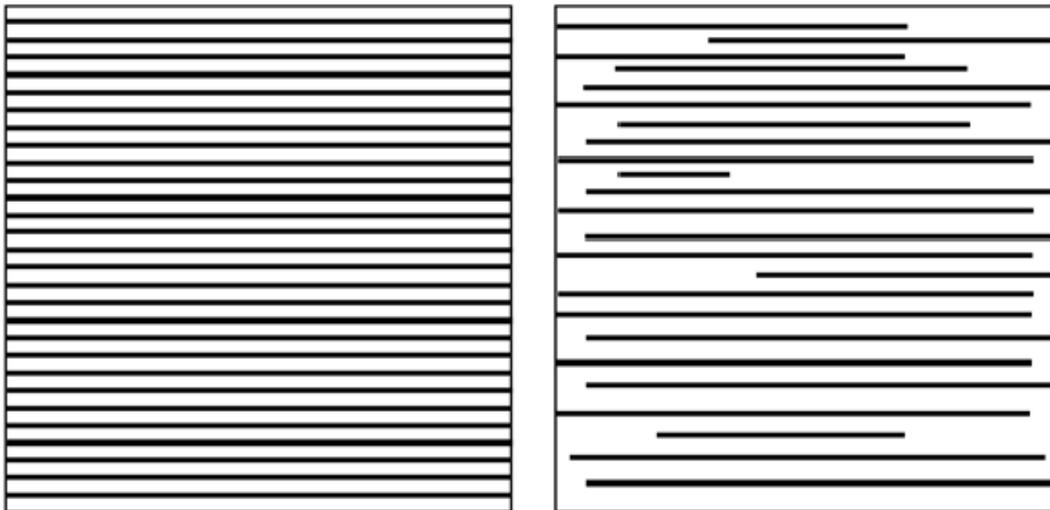


Figure 7 : Horizontal line

Application method of color

The color is an element to give peoples' most direct sense impact frequently. It is observed from the effect of long distance that the expression capability is even higher than another two kinds of elements. The excellent and reasonable color assortment is a kind of most direct means to increase the indoor decorative effect so as to intuitively express the information for designed emotional factors and bring profound impression for audiences.

On specific application, following two aspects should be noticed, firstly, pertaining to the characteristics of indoor environment as well as the structure and pattern for indoor space, enable it to conform to this condition. Secondly, the application for color shall be selected according to audiences' demand. On the application for this design element of color, above two points must be served as the basis so as to create the spatial structure and excellent design not only conforming to spatial structure but also being accepted by the audiences.

CONCLUSION

The function of graphic design is obvious in the indoor design. While designing specifically, the actual indoor spatial structure should be combined to perform the planning and integration, and the unique style and so-called personality can't be pursued blindly, the visual impact sense is required to be combined with environment and based on the audiences' acceptance. The designer should properly perform the understanding for spatial environment and structure as well as properly

plan the design style prior to design. After completing the preparation, create out the excellent works full of aesthetics and visual impact sense.

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