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Application of graphic design elements on interior design

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ABSTRACT

With the continuous improvement and development of the information age, our modern work and life have entered into such an age with visual media. And in this area the graphic design stays in a priority position and it propels visual medias finally to be applied in various areas of information age. The visual elements let the application of graphic design elements on interior design area changes with it. And at the same time the comprehensive application of graphic design is mainly due to the introduction of these elements expresses the final result of interior design in a profound way. In this study to explore the comprehensive application of graphic design elements in interior design, it creates new models and connotation for the interior design and it applies an interactive study by combining the professional theories of graphic design with the knowledge and principles of interior design in an appropriate way. Based on overall analysis, the study generalizes the application of graphic design elements on the interior design, puts forward the design model with practical meaning and finally propels the graphic design theories to have access to combine with relevant subjects and principles in a reasonable and effective way. Thus the theories foundations can be applied into concrete space design to create a scientific, acceptable and feasible model for interior space.

KEYWORDS

Graphic design elements; Interior design; Application.



INTRODUCTION

In the design of interior environmental space, the graphic design element plays a significant role and is the nuclear and dominant element of interior design. With the introduction of new technologies and medias, it can be regarded as the main innovative and technical approach to design the interior environmental space. Through applying the graphic elements in indoor design, the indoor space layout can be fully adjusted and improved to bring a new experience for people in sense and vision. In this study it creates a new model and connotation for interior design from the visual perspective.

In this study it mainly conducts interactive study by combining the professional theories of graphic design with the knowledge and principles of interior design in an appropriate way. The coming of information age propels everything in the world to show different changes, especially the aspect of visual design. The emergence of technologies demands higher requirements for the visual design, which should be expressed in design process of different areas. In visual media, the graphic design is very important and irreplaceable and a key component of visualization and the study of it has developed from the previous two-D visual areas to the visual environmental design of three-D and four-D space in current new technologies, which brings a new aesthetic feeling for people's living space. So the graphic design element and concept can be introduced into the design of indoor environmental space to add some colors even enrich the connotation and artistic expression of indoor space environment for its visualization.

RELATED CONCEPTS ABOUT GRAPHIC DESIGN ELEMENTS

The definitions of graphic design elements in interior design

Graphic design elements play important and nuclear roles in the indoor environmental space design. With the introduction of new technologies, new age and new medias, the graphic design elements are comprehensively applied into the interior environmental design to let people experience the integrity and the aesthetic feeling it brings and the process of design is a systematic and comprehensive. In the design of interior space environment, the graphic design elements need to be studied as follows:

(1)The applied range of graphic design elements in interior design

The graphic design elements mainly include patterns, words and related color matching, which are the key elements in graphic design. In the design of indoor space, the designers usually arrange these elements properly and effectively integrate visual elements to ensure that the information can be successfully passed to them. The study in this paper mainly explores the significance of graphic design in current visual design by applying related principles and make a full analysis about the forms and techniques even the space planning the graphic design used to introduce some graphic design ideas into the design of interior space.

(2)Introducing the graphic design elements into the design of interior environmental space

Here the interior environment is not the plan of indoor but a plan constituted by six key interfaces inside space. The design results can be obtained after the overall analysis about the entire layout, spatial planning and the function setting of all sectors.

(3)Prettifying processing of graphic design elements in the design of indoor space

The design of indoor space is not to ornament the space. For the design of indoor space, it is mainly rearranged from a visual and aesthetic perspective to fully conduct the ornament for space and it may interfere with some plan elements that only emphasize on prettifying. The nuclear role graphic design plays is not only the decoration and prettifying of space but also the redesign of internal space, which should abide by the visualization effects and aesthetic ideas and coincide with the functional principle of interior design.

According to the analysis above, the roles of graphic design elements played in the design of interior space can be seen in the following TABLE 1.

TABLE 1 : Roles of graphic design elements played in the design of interior space

Graphic design elements	Roles of space design	Analysis about design effect
Design range	Arranging and visualizing the patterns, words and related color matching in graphic design.	Stimulating people's senses and creating visual feeling by collocating patterns, words and color matching in the indoor design.
Design introduction	In the expressing of indoor space design, the entire layout, spatial planning and the function setting of all sectors should be arranged in a holistic way.	Designing a plan constituted by six key interfaces inside space to bring aesthetic feeling.
Prettifying processing	The nuclear role graphic design plays is not only the decoration and prettifying of space but also the redesign of internal space, which should abide by the visualization effects and aesthetic ideas and coincide with the functional principle of interior design.	Reasonably design the decoration of indoor space and abide by the aesthetic ideas to bring visual effect.

Breakthroughs the graphic design elements achieved in visualization

In previous graphic design it mainly emphasizes the role of patterns in decorating and arranging the indoor space and the expressive forms of these plane patterns mainly focus on the two-D effect. With the coming of current information and new technology, the modern work and life of people have gradually entered into an information age with visual media. And in the field of visual media the graphic design stays in a central position and extends the visual media to all fields of the information age. The graphic design elements and ideas are introduced into the design process of interior space and play significant roles in adding more colors and enriching the connotation and aesthetic expressing of indoor space in visualization. The analysis above tells us that the graphic design makes preparation for indoor design by the role of visual media. The graphic design is diversity, mainly including patterns, words and related color matching, which are also the core elements of graphic design. The coming of new technology propels the development of graphic design that irreplaceable for visual media and as the key part of visualization. The study of graphic design has developed from the previous two-D spatial visual sphere to current three-D and four-D space environmental design under the background of new technologies, which brings a new aesthetic feeling for people’s spatial living. With the diversification of social information, the introduction of graphic design elements to indoor design and decoration and the spatial layout creates a new feeling for people. The development of graphic design elements in visualization of space design can be seen in the following Figure 1.

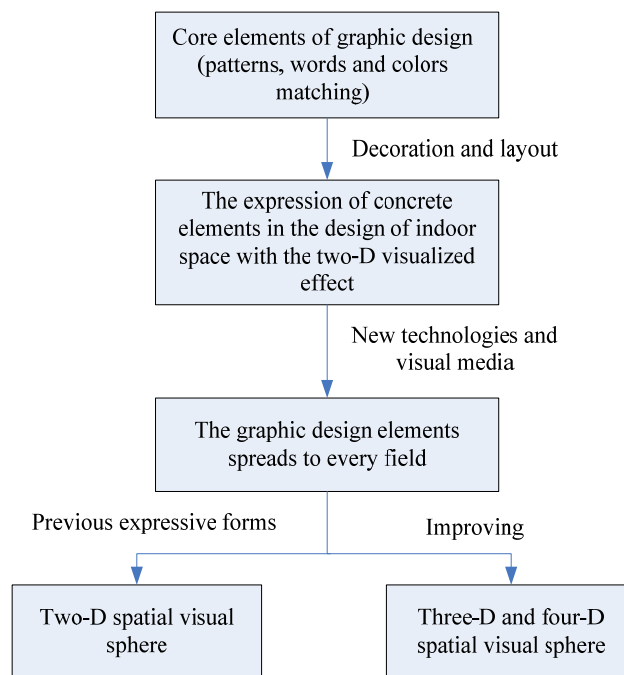


Figure 1 : The development of graphic design elements in visualization of space design

The main role they played and breakthrough graphic design elements achieved in the design of indoor space can be seen in TABLE 2.

TABLE 2 : The main role they played and breakthrough graphic design elements achieved in the design of indoor space

Core elements of graphic design	Functions	Expressive forms of visualization	Breakthrough it achieved in the new era
Patterns	To enrich the interior spatial layout	In the forms of two-D and three-D	From the two-D effect to three-D visualized space layout
Words	To emphasize the contents of spatial environment	In the forms of two-D and three-D	From the two-D effect to three-D visualized space layout
Color matching	To decorate and prettify the space	According to the concrete indoor design, to apply the form of two-D, three-D and four-D.	From the two-D effect to three-D and four-D visualized space layout

COMPREHENSIVE FUNCTIONAL ANALYSIS ABOUT GRAPHIC DESIGN ELEMENTS RELATED TO INTERIOR SPATIAL ENVIRONMENT

The introduction of graphic design element's functions in the design of interior spatial environment

The graphic design elements with significant meaning and core function play comprehensive roles of improvement in the design of indoor space and also can be taken as the second creative process in the entire ornament and layout. With the emerging of new technologies and medias and the coming of new era, the graphic design elements are applied into the design of indoor space and will bring the matching experience and fresh feeling for people through the integrity between them and the design is a full and systematic process. In the graphic design of visual media, the graphic design elements is irreplaceable and the key parts of visualization with the study developed from the previous 2-D spatial visual sphere to the 3-D and 4-D spatial design, the introduction of which brings fresh aesthetic feeling for people's life. In the process of indoor space the graphic design elements and ideas need to participate in to add some colors for the visualization and enrich the connotation and artistic expression of indoor environment in visualization. At the same time, the graphic design elements provide perfect visual effect and internal standards through their own characteristic and uniqueness. In conclusion, the main roles graphic design elements played in the design of interior space and the main role can be generalized in the following Figure 2.

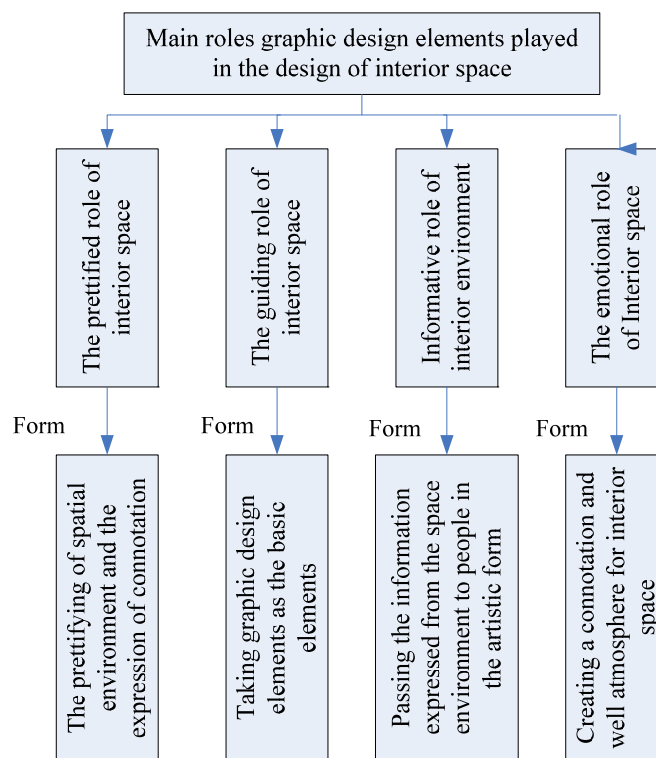


Figure 2 : Main roles graphic design elements played in the design of interior space

The prerequisite analysis of the infusing of graphic design elements into the design of interior space

Previous historic development law illustrates that the change of graphic design elements in new era has related connectivity with the development of society, that is, the development of graphic design elements can be taken as the development of information technology and the change of social trends and are mainly reflected in the artistic and aesthetic characters. These elements include patterns, words and color matching that occupied a nuclear place and processed in a visualized way by designers. After the effect combination with the visual elements that related, these elements and effect information will be passed to designers. The application of the graphic elements in the design of indoor space is to use related principles to make a further demonstration for the important meaning of graphic design in visualization. Analyzing from the age change of graphic design, the developing of technologies and the coming of information era create broad space and platform for the application of graphic design. And under the further influence of social culture, graphic elements have been widely applied into the visualization and infused into all disciplines to lead the connectivity and interactivity among them. With the coming of new era, trend and medias, graphic design has developed form the 2-D spatial visual sphere to 3-D and 4-D comprehensive visual experience. The change about graphic design occurs in the design of interior space with the development of time and its analysis can be seen in Figure 3.

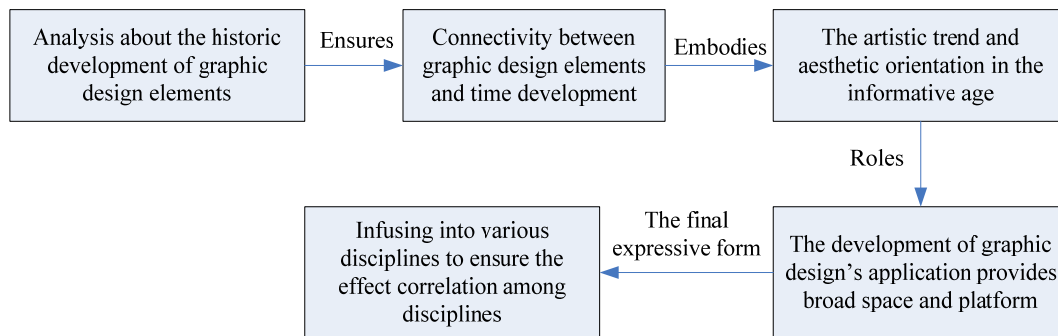


Figure 3 : The change of graphic design in the design of interior space with the development of time

CONCLUSION

In the information time, the effect of visual elements devote to the change of graphic design elements in the region of interior design and now they have been fully applied into the this region because the introduction of them endows the final achieves a profound meaning and expressive form. With the emerging of new technologies and medias, they can be taken as the main innovative technological manner of interior design and they can make full adjustments and improvement for interior layout and bring new experience for people in sense and vision. In this study the graphic design elements create new environmental mode and innovative contents from a visual perspective. By applying interactive study, the study make a reasonable analysis about the professional theories of graphic design and the knowledge and principles of interior design.

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