Inheritance of Traditional Decorations under Computer Aided Design

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ABSTRACT

Development of computer-aided design applications and Traditional Decorations design, software is the core of computer-aided design in Traditional Decoration design, graphic combined with three-dimensional software, building the systematic of Traditional Decorations design and computer-aided design to enhance the artistic beauty of Traditional Decoration design. Secondly, introduce the two-dimensional and three-dimensional software application in fabric pattern and Traditional Decoration design. We can see the convenience of computer-aided design, which combines technology and art in one. And from the comparison of plane and solid software, both proposed to build a systematic mutual, for Traditional Decoration design, which is based on the performance requirements and the effect of artistic design, and the theoretical analysis of consumer purchase intention and behavior; and discussing from the beauty of color, formal and spatial three aspects of computer-aided design to enhance the artistic beauty of Traditional Decoration design.

KEYWORDS

Computer-aided design, Traditional Decoration, Artistic beauty.

INTRODUCTION

Using Inheritance image technology--computer-aided design, allowing designers to simulate the appearance effect of fabric pattern while complete designs, you can in order to avoid a large number of product test weaving work. You can shorten the design cycle and reduce the number of technical personnel, to reduce the cost of design, further improve the competitiveness of enterprises. The use of computer-aided design drawings and process to make designs freed from the original manual mode of operation, to achieve the perfect combination of art and technology.
THE DEVELOPMENT OF COMPUTER-AIDED DESIGN APPLIED TO TRADITIONAL DECORATION DESIGNS

The combination and development of the CAM and CAD technology has changed the conventional method for a variety of product design, but also profoundly affects the company's business strategy and management. So, companies want to keep their product design and manufacturing force, we must spare no effort in research, development, or use CAD / CAM technology.

Research on computer-aided design Traditional Decorations began in the late 1970s, the United States, IBM developed the first successful Jacquard process automation system, so that the production process of jacquard fabric flower design from the original design by hand, drawing, red version changes to use the interactive screen mapping and automatic version, realized Jacquard process automation, making automated design applications in the Traditional Decoration industry to become a reality. After 20 years of development, the Traditional Decoration CAD has matured. As a high-tech modern Traditional Decoration design tool CAD, is the widespread use Traditional Decorations of printing and dyeing enterprises, because of its simple operation and rapid reaction capability of the market clothing. Manufacturers began to realize the value of CAD, and gradually replace the traditional use of CAD technology to design means not only improve productivity, but also reduces the design process.

Traditional Decoration CAD as an effective means of modern design, to replace the traditional design work, greatly improve the efficiency of production and shorten the design cycle and created favorable conditions for many types of Traditional Decoration products, small batch production and timely adjustment of product types to meet market demands.

SOFTWARE IS THE CORE OF COMPUTER-AIDED DESIGN IN TRADITIONAL DECORATIONS

In the moment, two-dimensional art and design software, more and more skillfully applied to Traditional Decoration product design. Because in Traditional Decoration products design, its shape is two-dimensional, flat, and only when the product showing the effect of Traditional Decoration design will be applied to three-dimensional design software. Based on this, Traditional Decoration designer proficiency in the use of two-dimensional art and design software is particularly important, not only that, but also learn designer images, graphics software skills, and a working knowledge of the software features expertly applied to Traditional Decoration product design will be get better design services for Traditional Decoration products.

Excellent image design software Painter and Photoshop. Photoshop software, produced by Adobe, is the world's top-class graphic design and production tools. Image processing is editing process to an existing bitmap image and the use of some special effects, its emphasis on image processing. Performance in terms of subtle changes in shading and color images, or some special effects processing, using bitmap format is the best choice, it is advantage in this regard is a vector incomparable.

Painter is imitation natural painting software produced by Corel. It provides an unprecedented wealth of brushes and materials for creative Inheritance painting adds more likely, is the world's most perfect computer art painting software currently, with
its unique "Natural Media" imitation of natural painting techniques represented, for the first time on a computer to combine full traditional painting methods and computer design, forming a unique painting and modeling results.

Excellent graphic design software- FreeHand, CorelDRAW.

Graphic means the geometric figure drawing the object outline, shape or the boundaries of outside. The key figure is not the reproduction of objective truth, lies in the outline of the graphic. Features of graphic design software is that it can more quickly and accurately handle a variety of graphics processing, design changes shape with a simple level, achieve a variety of ideas. FreeHand, CorelDRAW is based on vector graphics software which is an excellent graphic design software, also known as "vector software." The graphics are by point, line and plane elements, and has nothing to do with the previously mentioned "resolution".

Freehand software, a member of Adobe's software called FH for short, is a powerful graphic vector graphic design software, whether to do creative, do books posters, mechanical drawing, or to draw the building blueprints, Freehand is a powerful, practical and flexible tool.

CorelDRAW is graphics software developed by Corel which is one of the world's top software companies in Canada. Its extraordinary design capabilities widely used in logo design, sign making, model drawing, illustration drawing, layout and color separation output, and many other fields. It is available facts shows the extent of the favorite, almost all installed CorelDRAW on their PC for commercial design and art design.

Excellent three-dimensional scene simulation software.

Two-dimensional art and design software draw pattern of three-dimensional simulation tool is used for Traditional Decoration patterns virtual scene simulation, so that the two-dimensional pattern designed to simulate the actual three-dimensional effect becomes quick, easy and real.

Three-dimensional design software can simulate people dress in a virtual scene; also can simulate the interior upholstery fabric effect. 3DMAX is a 3D animation, modeling and rendering outstanding computer software of the U.S. Company Autodesk, is full name: 3D Studio MAX. The software, called 3DS early, is used under Dos, then with the rapid development of the PC, Autodesk began to develop the software in 1993 under Windows, has finally come out in 1996 3D Studio MAX V1.0 graphical user interface, make the application more convenient. 3D Studio MAX from V4.0 began abbreviated as 3dsmax, widely used in a variety of static 3D animation, video production, architectural design, and simulation of dynamic scenes production. Because it has no Chinese version, the home Traditional Decoration design operation is relatively complex, so is not adopted well.

THE THREE-DIMENSIONAL DESIGN SOFTWARE ALSO INCLUDES MAYA AND SHADE, ETC.

Combine plane and three-dimensional software to build the home Traditional Decoration design systematic.

In computer-aided design, due to the extremely extensive category of computer aided design involves, combined with the professional carefully division, so often a designer emphasis on one aspect of the plane or three-dimensional. Such as graphic
software it adapts to the very wide range, book binding, advertising design, Traditional Decoration design and other professional can be applied. The three-dimensional software application in industrial design, environmental design, animation and other professions, so once the application is very wide of the software, it is easy to make the designers could not go in the field of design across all professions. But we should also see that modern design have to fully meet the needs of consumers, must be binding on the plane and three-dimensional, especially Traditional Decoration design to build a systematic computer-aided design is particularly important.

Systemic help enhances artistic. Plane and three-dimensional computer-aided design software have its own respective advantages and limitations; the advantage of graphic software is the performance in flat image, while three-dimensional software performance in the three-dimensional image, especially in the environment performance for artificial environment and simulated space gives direct visual feel and experience. However, the performance of Traditional Decoration design including fabric patterns, styles, materials and interior effect, it is impossible to use only one kind software alone, need manifested with the two kinds of software to complete the design. This is due to the effect of Traditional Decoration design, not fully tested out when viewed in a plane, sometimes it is feel the good on the plane once applied to the three-dimensional space reduces its artistic effects, while some general image on the plane, will be extremely exciting during stereo and environmental performance. This shows that the effect of the plane and three-dimensional art behaves differently in different environments. The outstanding Traditional Decoration design should be in the plane and three-dimensional environments are colorful.

That is because consumers will be displayed and arranged in their particular environment of the Traditional Decoration design products, it gives a very intuitive display of effects, and the effects of this evaluation show mainly by individual consumers concerned relatives, friends, colleagues. So, in order to effectively use resources, data sharing, we can create the design team to the division of labor and cooperation spirit plane and three-dimensional design on multiple computers with different functions, so that the effective integration of planar and three-dimensional software resources greatly shorten the design time. On the other hand, are two different software systematically build, it can be evaluated in advance to determine the response of the design into the market, if some department assessment are not good, especially the feedback views of the sales department are not good, we should cancel it planned production. Otherwise, once the products of poor performance design into the market, the companies will suffer a great loss.

SYSTEMATICALLY ENHANCE CONSUMERS' PURCHASING DESIRE.

Systematic build also need the intervention and using of virtual technology. Thus, the designer works through virtual reality performance, it would be used in shopping malls and stores. The advantage is that each consumer while choice of Traditional Decoration products can actually see the product displayed on a variety of different environments effect. Because of this media-based real-time interactive virtual reality, it creates a virtual space-time have a new visual form, giving new experiences and feelings, thus we can see the effect indoor environment and the Traditional Decoration products final form do not have the goods in the home, as it builds a virtual reality
world. This is great temptation for the consumer, in general, consumers’ purchase is often vulnerable to external stimuli and temptations, and sometimes people cannot stop a huge temptation, but make for later action. Of course, the performance of all Traditional Decoration needs of each person in the space environment by Inheritance virtual technology, not only a heavy workload, but also extremely high of the cost, the further development of computer technology in order to achieve this remains to be.

Computer aided design upgrade the artistic beauty of home Traditional Decoration design.

In beauty history, computer-aided design with its unique magic and charm interpretation of the scientific spirit, also express the technical beauty. At the same time, it improves from overall artistic beauty of the home Traditional Decoration design, fully expresses the human pursuit of beauty comes with continuously explore to combination of science and art. Since the early human civilization, people has not stopped pursuit and advocate for beauty, pursuit of the external form, and never give up studying the inner heart, in order to achieve advanced aesthetic ideal realm. In achieving this goal, science and art are interaction and mutual penetration. In the perceptual and the rational blending computer aided design reflects the shining of home Traditional Decoration design.

The color beauty. Computer aided design enrich the expression of home Traditional Decoration design, make the color expressive force sublimation to a new level. Around the demand for home Traditional Decoration, to express the eternal theme of harmonious color beauty. As the famous esthetician Riegl said: "This coherence among the various factors that harmony ..." interpretation of the relationship of color emphasized as the order and whole. Thus, the Traditional Decoration color performance, the focus of color combinations, make the color themes performance thoroughly, whether it is beautiful and noble, dignified subtle, magnificent, etc., beauty of color combinations can be to the limit. Give people on the physiological, psychological comfort and pleasure, not fatigue caused by excessive color stimulus.

The beauty of home Traditional Decoration design colors is embodiment in human nature. Because color aesthetic subject is people, and the people fond of color is conditioned by many factors, a mix of objective conditions and subjective reason, because everyone has different feeling and evaluation in a certain environment. Is impossible for us to make all people have the same color aesthetic, due to the individual's psychology has complexity and variability, so the evaluation of color beauty often vary from one to one. Like the ancient Chinese philosopher Chuang Tzu says: "beauty is in their hearts." Because of this, the beauty of home Traditional Decoration design color always organically combined the performance of object to show its decorative beauty. In the change of space and time reflect fashionable beauty through fantasy charm.

The formal beauty. Home Traditional Decoration design of form beauty is mainly composed of the external form and internal structure to reflect. Whether flat or three-dimensional modeling its expression on the basis of design elements beauty to create the form beauty. Even a simple point, line, surface will be given aesthetic significance through a combination. For example, line when it's thickness, straight or curve, density change will produce a unified change effect, if performance of its hard stems and soft terms will formation sense of movement and rhythm. Once the design theme is it appropriate expression of the line will have interest. Even the abstract performance,
consumers can place on the performance of the linear mood and experience the beauty of the linear expression in shaping form of beauty.

Another significant sign of form beauty is when the external form of home Traditional Decoration products from planar to three-dimensional. Although from conversion, form language adequately reflected in Traditional Decoration design, it is full of humanity, such as pillowcases either cylindrical, rectangular or other shapes, stiffness and strength appeared on the originally plane will be converted for affinity, it is very easy to make the recognition and understanding.

CONCLUSION

Looking ahead, the development trend of modern Traditional Decoration design presents the diversity of artistic styles, novelty. More significant and prominent of personalized. And make the overall design lead to steering versatile, multi-purpose direction, the material texture effects are more visual and tactile sense of beauty and comfort, people pay attention to its cultural of Traditional Decoration products while enjoy the process. Therefore, the computer-aided design will be innovation based on new technologies, new theories, accelerate the combination of Inheritance design and Traditional Decoration design, reflecting the first-class technology integrated innovation, and make the systemic of computer-aided design to solve technologies, processes, equipment, production problems, make our Traditional Decoration products truly competitive in the international market, which is to enhance the overall level of China's Traditional Decoration industry has a positive meaning. We believe Using advanced computer technology as the leading factor, based on the solid art design of home Traditional Decoration design, Traditional Decoration design will make art more colorful blooming flower.

REFERENCES

1. Computer Graphic. Rockport Allworth Editions, First Published in the USA.1992
3. Dansk Design Center Sternberg, R.J.Reasoning, problem solving and intelligence.