Applying Functions of Adobe Photoshop to Fashion and Textile Design

Creating Textile Print Pattern Design from Scanned Images by the means of Photoshop

kim, Guanjoong
the visiting professor of Kookmin University

Abstract

Since the 1980s, computers have had great impact on our society, culture and environment. Today, most businesses in every field use computers to accomplish and to manage their work. Even an individual uses a computer at least once a day and cannot live without it.

In terms of computer-aided design, the roles of computers and software programs are undoubtedly important and essential. Among many programs, Adobe Photoshop is an image editing software that definitely ranks as the top. In February 1990, Photoshop 1.0 was born as a tiny graphic program by Adobe Systems Inc. As the new versions of the software have been developed over and over, Photoshop has become a giant that is indispensable for computer graphic.

I can say that everyone, who works in computer graphic field, has to know or already knew how to use Adobe Photoshop. People in design firms, video-production houses, and animation studios use Photoshop. Fine artists, physicians and scientists do Photoshop. What I am really interested is that how I can apply somefunctions of the program to my filed, fashion design. So, I am going to introduce what I have studied with the program for my major in this article.

First, I will mention how to scan successfully efficiently, and then develop a pattern motif from the scanned image. Second, I am going to explain how to layout the pattern motif without any seams and breaks to make seamless repeated pattern.

Last, I'll try to develop new combinations of colors for the pattern.

Keywords
Cad, Textile Design, Fashion Design

A Study of the Relationship between Loud Speaker Appearance and Perceived Acoustic Quality from it

Chang, Wen-chih & You, Shan-Yi
National Taiwan University of Science and Technology

Abstract

Loud speakers are essential parts of audio equipment and influence acoustic quality. This research is to explore the relationship between perceived acoustic quality and appearance of a loud speaker. The research was conducted by a conjoint analysis. The main findings are: 1) The ranking order of attributes to judge the perceived acoustic quality of a loud speaker are texture of protecting cover, box color, box form and echo-tube. This ranking order is the same for male and female respondents, although their weightings are slightly different. The ranking orders are different among different age groups. 2) A loud speaker box in cuboid form creates better perceived sound quality than cylindrical form. A wood or wood look loud speaker box leads to the best perceived sound. A loud speaker with an echo-tube causes subjects to perceive higher quality sound than one without. An iron net protecting cover leads to perception of higher quality sound. Male and female respondents as well as four age groups give similar ranking orders to each variable. 3) The total utility calculated from the part worth of each level can be used to evaluate the perceived acoustic quality of a loud speaker. Levels with the highest part worths from each attribute can be good choices to construct a loud speaker if high perceived acoustic quality is concerned.

Keywords
Perceived acoustic quality, Appearance, Form, Color, Texture