

A Study on the Design of Torso Patterns for Middle Aged Women

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This study was to evaluate the basic pattern of an middle aged women's upper body and make a upper body-torso-bodice basic pattern that fits middle aged women by modifying the drawing method.

Based on the previous study that says the body pattern to be changed before and after 45 years of age, the women between 35 and 59 years of age were chosen in this study. They were divided into two groups, the first group were women between 35 and 45 and the second group were women between 46 and 59.

To plan a bodice basic pattern of study, four bodice basic patterns were designed which are used as a transcript of lecture in university that about body size of women between 35 and 59 years old, which are from the survey report data of nation physique in 1997. Also each pattern is compared with using a CAD system and the problem was found through a survey which has 11 objective categories and 23 subjective categories about wearing test with testing dress. The bodice basic pattern was designed based on these processes, and it was evaluated through an wearing test to find whether it fits women's body who are between 35 and 59.

In result, when they wore a basic pattern, they felt uncomfortable because of an pulling of armhole and center-back part. The space of bust girth and hip girth were small for the middle-aged-women's bodies and the locations

of bust line, waist line and hip line were not suitable for them either.

Generally, the modification of pattern was more required in the first term of middle-age than in the last term of middle age.

Especially, the modification of wast line part were required because of it's concave which is caused by bend-back of middle-aged women. So in this bodice basic pattern, the neck basic line was raised 2 cm to control the locations of bust, waist and hip line, the space was added 2 cm to bust and hip girth. Also the problem about back-waist was modified with adding about 1 or 2 cm on space.

This the objective and subjective results about this study were that the pulling of armhole and center back part was removed and bust, waist and hip line were more mended than before. Also the lateral evaluation was improved too. The entire appearance was evaluated to be better than before.