1 Introduction

In Japan, there are traditional Japanese crafting such as fittings, furniture, textile, etc., which are closely related to Japanese culture and life. The design of Japanese houses and their rooms is very important to attract people. However, this design is not easy because people have different feelings. In order to deal with this problem, we have developed a Digital Traditional Japanese Crafting System (DTJCS) [1] which provides a presentation space for traditional Japanese crafting. Also, we introduced a Kansei Retrieval Method (KRM) to provide the presentation space reflected by people’s feelings. In this paper, we analyze the effect of room change of fittings to people’s feelings using the presentation system.

2 DTJCS and KRM

In order to get the desired products, the customers and craftsmen should see the products during the design process. But using the conventional design methods, it is very difficult to achieve this goal. For this reason, we developed the DTJCS introducing a KRM. The DTJCS is organized by Client Agent (CA), Knowledge Agent (KA) and Multimedia Database (MDB) to retrieve suitable designs based on each user perception. For retrieving information, the KA uses a knowledge-base which is based on the relation between people perception, the presentation space, and the objects. The KRM is shown in Fig.1.

3 Questionnaire Survey and Results

In order to organize knowledge-base, the relation between the room components with different colors, patterns, materials and the Kansei words have to be clear. In this work, we investigate how much the change of fittings in the room influence people feelings. In order to get the relation, we perform a questionnaire using a pair of Kansei words (Dark-Light) on the room. Fig.2 shows one of the analytical results by factor analysis for the Kansei word, “Dark-Light” with the different fitting design patterns. Fig.3 shows the relation between the fitting and the room image when the “Dark-Light” Kansei word is used. From this figure, we conclude that by providing “Light” fittings, we can make a “Light” room and by providing “Dark” fitting we can make a “Dark” room.

4 Conclusion

In this paper, we presented the relation between Kansei words and the room space in DTJCS. We described our questionnaire results. From the questionnaire results, we could make clear the relation between the fittings with the different patterns and Kansei words.

References