

## **Research on Renovation of Existing Interior Space Based on Post Occupancy Evaluation: A Case Study of the Atrium Space of Zhejiang University Library in Hangzhou**

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**Abstract :** The renovation of existing interior space is big issue for architects in today's China. However the traditional way of space renovation in China mostly focuses on the object itself, and the method also focuses on subjective level without the support of specific data. This research focuses the application of renovation of existing interior space based on post occupancy evaluation by a case study of a typical interior space. The research hopes to give a more scientific method of interior space renovation for architects and help promoting and guiding renovation practice. This research studies the post occupancy evaluation of the atrium space of Zhejiang University Library including subjective satisfaction and physical environmental satisfaction. The result provides necessary data support to conclude the design principles and strategies of renovation. Then the research uses simulation software to verify the availability of the strategy given based on the study. In conclusion, the research summarizes the application process of design methods of renovation of existing interior space based on the post-occupancy evaluation, and testifies to the practical significance of the renovation of existing interior space.

**Keywords :** existing interior space, physical environmental satisfaction, post occupancy evaluation, renovation of space, subjective satisfaction of space

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