

## Analysis on the Image of the Street Elements

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In recent years, People request in Japan has changed from Quantity sufficiency to Qualitative sufficiency. Thus, it has been a growing interest in the landscape. Landscape Act was enacted in 2004. Landscape is a regulation that targets the subjective beauty. Therefore regulation is difficult and many of the regulations that require the opinions of experts. In particular, restrictions on the form design are difficult to provide clear limitations. Similarly, it is popular that identify psychological image spaces by psychological experiments or comprehend spaces by quantification. Psychological experiments are not suitable for landscape regulations to require the objective criteria. It is necessary for us to identify the space from the objectively obtainable information from the background is need.

In this study, the authors comprehend quantitatively the shape information of streetscape, and we aims at visualizing. The shape information is that the shape group which is combination of discrete shapes and has a value such as characters and pictures.

Thus far, designers consider the shape information such as beautiful and attractive with feeling. Quantification of the shape information have been attempted, by the golden ratio. There is a possibility that "Complexity" is main cause of similarity and beauty among others. Therefore, we obtain clue to identify the landscape structure by quantifying the shape information "Complexity" of the street landscape. The authors extract of the shape information, and it analyzes the complexity by fractal dimension analysis. By the analysis, we would see the clues to be objectively manipulate the form design of the city that have been constructed subjectively.

The authors focused on the shape information of the streetscape and quantitatively grasp the shape information from objectively information that can be easy to obtain information. The authors showed the possibility of to grasp characteristics of the streetscape by the analysis of the complexity in appearances. The authors grasped the shape information of streetscape by extracting the complexity of the spaces.

The authors show the shape information showing a possibility of a clue that constitutes the shape information of streetscape by visualizing the shape information. In the future, it is necessary to examine the relationship of structure of the shape information and psychologically image.

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