

## 保全・保存対象のバッファー・ゾーンを評価するための空間属性値に関する研究

### On the Spatial Attribute Value for Evaluating Buffer Zone around the Conservation Facilities

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The buffer zone located around the conservation facilities such as world heritages has an important role to maintain the environment around the facilities. The purpose of the series of our studies is to propose the method to evaluate an appropriate buffer zone, which based on our sense, related the landscape around the conservation facilities. In this report, we commence the integrity verification between the result by the analysis of three-dimensional model in previous our studies, the result by the laser surveying, by the smell measurement and by the sound surveying. In addition, the result of the integrity verification is compared with the real landscape on the points in the case study areas. We find the basic method to analyze and to get the data for planning the buffer zone.

The purpose of this study is to construct the analyzing system to set appropriate buffer zone, particularly for the suburban area where a buffer zone is set uniformly. Specifically, we measure physical quantity based on not only the topography but also the surface. We carry out the analysis by the attribute value and compare its result with the model analysis.

There are the studies that captured value of the forest and the old towns for conservation from a macro viewpoint and from a micro viewpoint. In this study, we arrest the evaluation by overlay the values. In particular, we analyze a relationship between categories for evaluate the buffer zone. We finally analyze the result in conjunction with viewpoints and sights. Based on a method to quantify value of the feature that we arrived as a conclusion, we will be able to suggest a method to set a new buffer zone.

In this study, we inspected the adequacy of the size of buffer zone for sight in the Heritages. As a result, we were able to get the useful knowledge on the occasion of the setting of the buffer zones.

In this investigation, we conduct a similar investigation into much other attributes. In addition, we have extracted the method to connect the spatial attributes in case study area. We are going to obtain data of the setting the buffer zone, in reference to case analysis.

キーワード：バッファー・ゾーン、保存地区、世界遺産、層、色彩

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