

Study on Method of Measurement for Stress-Easing Viewing Urban Greenery

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ABSTRACT

When people recognize a landscape, they first need to see it for a definite period time. This study clarified the way green space in a landscape is recognized using eye movement analysis, and evaluated the possibility for quantifying stress-reducing effects of seeing a landscape. The results of the experiments on eye movement analysis suggest that the way of recognizing green space in a landscape may depend on a ratio of the amount of scenic greenery in a landscape, color and greenery layout. Especially, this study also suggests that the possibility of the greenery layout guiding eye movement could be verified by conducting a study on planting patterns. In addition, the results of the experiments for quantifying stress-reducing substances found that it is likely that a green space in an urban area has stress-reducing effects.

Key Words: Greenery Space, Way of Recognition, Eye Movement Analysis, Urban Greenery, Stress