

[Available Issues](#) | [Instructions to Authors](#) | [Japanese](#) >> [Publisher Site](#)Author:  [ADVANCED](#) | Volume  Page   
Keyword:   |   [TOP](#) > [Available Issues](#) > [Table of Contents](#) > [Abstract](#)

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[\[PDF \(1286K\)\]](#) [\[References\]](#)

## Evaluation of Heat Transfer Characteristics of Textile Goods by Infrared Image Measurement Method

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**Abstract:** This paper describes the infrared image heat measurement system for heat transferences of textile goods. The system consists of heat source, a series of optical apparatus, an infrared camera, and an image processor. This paper also describes that the model samples and several textile goods that were used for the developed measuring system are adequate for testing the time-dependent heat transferences of the materials. It is expected that the sensed information obtained by infrared image could evaluate the quality of the heat transferences more precisely and effectively than that by the conventional test methods.

**Key Words:** [Infrared image](#), [Heat absorption](#), [Heat radiation](#), [Thermal conductivity](#), [Textile goods](#)

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