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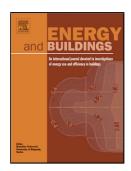
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Development of a fine-scale discomfort index map and its

application measuring living environments using in

remotely-sensed thermal infrared imagery

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Highlights

Deriving discomfort index using a sharpened 10 m resolution satellite thermal infrared

image

• Representing thermal discomfort levels of a city with a fine-scale DI map rather than a

single value

Revealing spatial differences of human thermal discomfort sensation in a city

Determining the characteristics of living environments corresponding to different DI

grades

Discovering the differences in the contributions of built land, vegetation and water to

DΙ

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