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Thermal Comfort Assessment and Potential for Energy Efficiency
Enhancement in Modern Tropical Buildings: A Review

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Abstract

The rapid growth in population and economy activities in the tropical countries has led to an increase in energy consumption which hastens the depletion of available energy resources. The building sector is one of the major end users of energy. On the other hand, the air conditioning system is viewed as an important tool to sustain and improve the indoor thermal environment of buildings, and this system is often the biggest energy consumer. This has raised concerns on efficient use of the air conditioning system for reduction in energy cost. In order to identify the thermal comfort perception of occupants as well as energy conservation potentials in tropical buildings, various thermal comfort assessments

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