

# Indoor Thermal Comfort Perception A Questionnaire Approach Focusing On Children Springerbriefs In Applied Sciences And Technology

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### [Indoor Thermal Comfort Perception A](#)

#### **Perceptions and Expectations of Thermal Comfort in the ...**

perception of the indoor thermal comfort in response to these conditions is one of acceptance, more so, of preference (Andamon, 2005) Building on the findings of the

#### **Indoor thermal comfort in residential building stock A ...**

This study aims to explore the indoor thermal comfort in RCC houses, comfort perception and satisfaction of the residents living in such houses This report is part of a PhD project which aims to improve the indoor thermal comfort of free-running RCC houses in

#### **Indoor Thermal Comfort for Residential Buildings in Hot ...**

indoor thermal comfort and the nature of residential thermal environment during the dry and rainy season of 2009 This was carried out to get a variation measurement in terms of the indoor and outdoor temperature, relative humidity and air velocity In the field survey, the questions asked on thermal sensations were based on the seven-point

### **CASE STUDY OF OCCUPANT S PERCEPTION OF INDOOR ...**

the overall thermal sensation of an occupant, which is dependent on the mean skin temperature, its time change and body core temperature The latest models of thermal comfort include the Berkeley model (Zhang, 2003) which describes the psychological aspects of the thermal comfort perception...

### **INDOOR THERMAL COMFORT IN UNIVERSITY CLASSROOM: ...**

for facilities manager to improve the indoor thermal comfort level in the classroom and increase awareness among building users on the importance of conducive indoor thermal comfort 10 INTRODUCTION Indoor Environment Quality (IEQ) is an important criterion for assessing indoor environment performance in a building The

### **THERMAL COMFORT - Humanitarian Library**

thermal “comfort”), and maximization of acclimatization Thus, while the first step of thermal design must be to establish what is the range of thermal conditions commensurate with comfort, we must go beyond this basic concern and create conditions that also permit conditions to become stimulating, without causing ill effects to the occupants

### **Perceived Thermal Discomfort and Stress Behaviours ...**

The thermal comfort condition of a teaching-learning environment therefore depends on the perception of individuals on whether the indoors has relative thermal comfort or not for the type of classroom activities Previous studies have also corroborated the fact that the classroom environment is a determinant of students’ outcomes [18]

### **Comfort is more than just thermal comfort**

are based on Fanger’s Model of thermal comfort (figure 1) which takes into account only physiological reactions to physical aspects of the indoor environment Auliciems introduced later his Psycho-physiological model of thermal perception (figure 2), which is based on Fanger’s model but takes also into account thermal expectations,

### **Predicting Thermal Comfort**

Predicting Thermal Comfort Thermal comfort is largely a state of mind, separate from equations for heat and mass transfer and energy balances However, the perception of comfort is expected to be influenced by the variables that affect the heat and mass transfer in our energy balance model The most common approach to

### **Socio-economic Factors for the Perception of Outdoor ...**

factors and thermal perception, 42 peer-reviewed papers, 2 conference papers, 1 doctoral thesis and However, this is more focused in the indoor thermal comfort where a prolonged history

### **Contribution of Portuguese Vernacular Building Strategies ...**

parameters and a survey on the occupants’ thermal comfort perception The results obtained show that it is possible to achieve thermal comfort conditions with no need for air-conditioning and that the adaptive model of comfort is the most adequate to predict thermal comfort conditions in Portuguese vernacular buildings 12

### **comf: An R Package for Thermal Comfort Studies**

comf: An R Package for Thermal Comfort Studies •other values related to the perception of the thermal indoor environment The 7-point thermal sensation scale is the standard scale for the assessment of thermal perception given to subjects and is coded 3 cold, 2 cool, 1 slightly cool, 0 neither cold nor warm, +1 slightly

### **Thermal Comfort in Schools - World Green Building Council**

Thermal comfort is a human's perception of comfort with respect to objective measures, such as temperature, humidity, and air velocity What is thermal comfort? Poor thermal comfort in schools can negatively affect children's health and academic performance PROBLEM: SOLUTION:

Thoughtful school design and operation can improve thermal comfort

### **Effects of microclimate and human parameters on outdoor ...**

A thermal comfort questionnaire survey was carried out in the high-density, tropical city Dhaka (indoor or outdoor-based), exposure to air-conditioned space and sweat-levels Psychological parameters, such as 'the Part of a Special Issue on Subjective approaches to thermal perception Electronic supplementary material The online

### **Children thermal comfort in primary schools in Ho Chi Minh ...**

comfort zone for Vietnamese people is 21.5°C-29.5°C and that the temperatures in buildings should not be lower than 19.8°C or higher than 31.5°C The adaptive thermal comfort equation (1) from EN 15251 was adopted in order to evaluate the users' thermal comfort perception because similar equation is not available for the Vietnamese climate

### **Thermal Comfort Evaluation of HDB flats**

temperature and humidity of indoor air is almost impossible to be modified, it is believed that only higher wind speed can create higher thermal comfort satisfaction The main objective is to highlight the variations in the comfort perception of the occupants using the ASHRAE and the

### **Indoor Air Quality: Position Document - ASHRAE**

Human Occupancy, "Indoor Air Quality Guide - Best Practices for Design, Construction and Commissioning," Chapter 9, Thermal Comfort , and Chapter 10, Indoor Environmental Health , of the ASHRAE Handbook - Fundamentals, and ASHRAE Guideline 10, Interactions Affecting the Achievement of an Acceptable Indoor Environment

### **Research on the Origins of Thermal Comfort**

General thermal comfort is defined by certain thermal conditions that, on average, affect the environment in order to ensure comfort from its broader view On the other hand, local thermal comfort focuses on the study of areas subject to special conditions like draft, asymmetric solar radiation and local perception of air quality

### **Redefining appropriate thermal comfort standard for ...**

REDEFINING APPROPRIATE THERMAL COMFORT STANDARD FOR NATURALLY VENTILATED BUILDINGS IN TROPICS (SINGAPORE AND INDONESIA PERSPECTIVE) H Feriadi, NH Wong\*, S Chandra, KW Cheong, KW Tham Department of Building, ...

### **Thermal Discomfort and Health: Protecting the Susceptible ...**

indoor temperatures within the thermal comfort range) This suggests that this widely used 10% definition of fuel poverty might not identify those who are not spending too much of their available income on energy but who have adopted restriction behaviour by using less energy than needed for heating (air and water) that could put their health