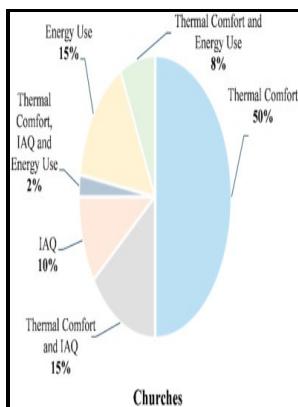


Study of the thermal comfort of primary school children in summer.

Building Research Establishment - [PDF] Field study on thermal comfort in a UK primary school



Description:-

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Thermal comfort assessment of primary school children in a warm and humid climate : a case study of Imo State, Nigeria

In library reading room the operative temperature ranged between 24. The weight of clothing followed the trend of room temperature over several days, but did not respond to diurnal changes of temperature. Actual thermal sensation and clothing insulation of children age 9-11 in non-air-conditioned classrooms in three different schools in the Netherlands have been obtained.

[PDF] Thermal Comfort and Perception Inside Air

Approximately 7050 completed valid questionnaires were collected from 330 young children repeatedly surveyed twice a day. Using a two-stage sampling method, questionnaires were distributed to stakeholders in schools selected from the six educational districts; using the proportionate stratified random sampling technique.

A field study of thermal comfort for kindergarten children in Korea: An assessment of existing models and preferences of children

This paper presents findings from a field survey in a naturally ventilated primary school building in Southampton, UK. The dry-bulb temperature, relative humidity, the airflow velocity, and the globe temperature were measured at 10 randomly selected kindergartens from April to June, 2013, and a survey was conducted three times a day for 119 kindergarten children age: 4—6 to investigate their thermal comfort, clothing insulation, and metabolism. Thermal comfort related parameters were continuously measured and predicted mean vote PMV was calculated.

[PDF] Field study on thermal comfort in a UK primary school

Il est nécessaire de réaliser davantage d'études centrées sur l'enfant pour pouvoir répondre aux exigences thermiques des élèves soumis aux climats actuels et futurs. The fieldwork covered two seasons associated with the study area; the rainy season and the dry season, during which the subjects were repeatedly surveyed twice a day. Les résultats sont comparés aux conclusions d'autres études réalisées dans des écoles et d'études menées avec des adultes dans des bureaux.

[PDF] Thermal Comfort and Perception Inside Air

The results show that indoor temperatures in the classrooms are extremely low during occupancy hours in winter and quite high in spring, but the students' thermal sensation votes show that they tend to adapt quite dramatically to this wide variation. Building thermal performance is ultimately a combination of several factors, inclusive of the impact of the building envelope, occupancy levels, and internal equipment.

A field study of thermal comfort for kindergarten children in Korea: An assessment of existing models and preferences of children

Thermal comfort distributions are presented and their implications for classroom temperatures are discussed. L'étude montre qu'il pourrait être nécessaire d'apporter des ajustements aux critères de confort actuels afin d'apporter une réponse à la perception thermique des enfants. Students spending more time at school than any other building except at home highlights the importance of providing comfortable indoor thermal conditions in these buildings.

Thermal comfort assessment of primary school children in a warm and humid climate : a case study of Imo State, Nigeria

The comfort temperature was investigated in two types of classroom buildings during the rainy and dry seasons from October 2017 to May 2018.

Thermal comfort assessment of primary school children in a warm and humid climate : a case study of Imo State, Nigeria

High temperature tolerance was shown by the participating children in the study area. Approximately 230 pupils aged 7-11 in all 8 classrooms of the school were surveyed in repeated survey runs outside the heating season, from April to July 2011. The children differed significantly among themselves in their subjective response to temperature, but there was no appreciable difference between the responses of the boys and the girls.

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