

Urban Space as a Tool for Energy Conservation

Evaluation study for new residential urban communities

ملخص البحث (باللغة الإنجليزية):

Serious efforts started by the state during the last years for the invasion of the desert by building new cities and communities, but although the different climatic conditions between each area and other, state neglected take into account planning in keeping with the climatic and environmental conditions of each area from the other.

This led to the presence of many of the Urban Spaces of different kinds surrounding the individual with those communities which deals with the different aspects of life, but they are designed in a manner not suited to the climatic conditions of the area and do not achieve thermal comfort for users, leading consequently to dependence on mechanical consuming energy to provide thermal comfort required

The research aims to reach the foundations of the design architectural spaces that keeps consuming energy and achieved thermal comfort energy by identifying strategies and new technologies for the use of natural and architectural elements of the environmental control and climate to provide suitable climatic conditions for users of Urban Spaces, Through the study and evaluation of the Urban Spaces elements and classification with the elements of the climate and its impact Spaces architectural residential communities in the new cities.

Where clear and effective direct role to coordinate the elements of Location to achieve the temperature and relative humidity appropriate for users of area through formed part of an integrated system of internal and external courtyards, especially in hot climates residential groupings.