

عنوان مقاله:

(Comparison of the climatic indicators of architecture in warm and dry area (case study of Zabol city

محل انتشار:

ماهنامه بین المللی علوم محض و کاربردی، دوره 3، شماره 7 (سال: 1393)

تعداد صفحات اصل مقاله: 15

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خلاصه مقاله:

In any geographical region we are witnessing the architecture formation proportional to the climate with that specific region throughout different generations of human life, which is inevitable and whether you like it or not it is created due to different and various climatic conditions. These features eventually will manifest themselves in the form of some principles or a general formula which indicate to the architecture specific to that certain climate. However, gradually with the growing achievement of various forms of energy the principles of the compliance of the buildings with climatic conditions were ignore and this led to an increase in the usage of energy. The present paper seeks to provide some solutions for creating comfort with Building design in harmony with the climate through studying the warm and dry climate of our country as well as through identification of an appropriate architecture indicator for this climate. For focusing on this aim, Zabol city with a warm and dry climate has been selected and with the use of the data and figures adopted from Statistics courtesy of Meteorological Agency of Iran for a 15 year period and analyzing them in 5 climatic indicators including: Mahoney, Evans, effective temperature (ET), fabric comfort and bioclimatic of the building and human comfort has been studied considering these indicators and the necessary recommendations have been provided and finally comfort has been introduced in Zabol climate and suitable patterns of architecture have been provided for Zabol city that has been presented in the conclusion section at the end of the article. Also, in this paper it is seen that Mahoney indicator suffices for Zabol climate and in case of necessity and for completing our work we can use Evans indicator as well and the indicator of fabric comfort can be exclusively used for texture identification (outside the building) of this climate

کلمات کلیدی:

Climate , Zabol , Mahoney method , Evans method , Effective temperature indicator , Fabric comfort indicator , And building's bioclimatic

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