

**SYSTEMS OF ARTIFICIAL REGULATION OF THE AIR ENVIRONMENT OF APARTMENTS AND HOUSES**

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Annotation

The article describes the research work carried out using an artificial regulatory system (water spray), which provides for the improvement of migration in residential buildings, as well as its results.

Keywords: migraine, temperature, humidity, water spray, houses.

In the field of construction in the Republic, large-scale measures are being implemented to introduce energy-saving technologies aimed at reducing energy consumption in the process of exploitation of civil and industrial buildings. In addition, large-scale creative work is being carried out on the implementation of the decisions of our president "on measures to implement a program for the construction and reconstruction of affordable multi-apartment houses in cities in 2017-2020", signed on October 21, 2016.

One of the measures aimed at reducing the energy consumption of residential buildings, thermal insulation materials with low air permeability of various types are used in the external barrier structures of residential buildings. Of course, these measures will save energy both physically and economically, but at the same time reduce the comfort of the migration of apartments in residential buildings. This in turn leads to a decrease in the natural ventilation and air exchange of buildings, which leads to a deterioration in the microclimate and a decrease in the efficiency of human work.

A change in the internal microclimate in residential premises can have a long-term effect on the human body and negatively affect its health. Therefore, it is an urgent task to develop new methods for calculating and assessing the efficiency of energy savings, taking into account their economic performance in the implementation of energy-efficient projects within the household. Scientific and technical specialist in literature and analysis of kindred spirits, energy and humanity, both convenient and conditions for providing a comfortable stay. [1]

It has been established with the help of scientific research that artificial regulatory systems have several advantages in improving residential buildings in use in our republic with the help of systems of artificial regulation of apartment migration and inter-house air environment in apartments. In a time when the current energy deficit begins to be felt, their economic efficiency is considered to be one of the particularly important factors. We will see below the research carried out using artificial regulation systems (water spray) and the work to improve migration in residential buildings. [2,4,5]



Studies were carried out in residential buildings in different gabarite schemes and in different positions in relation to each other (photo 1,2).

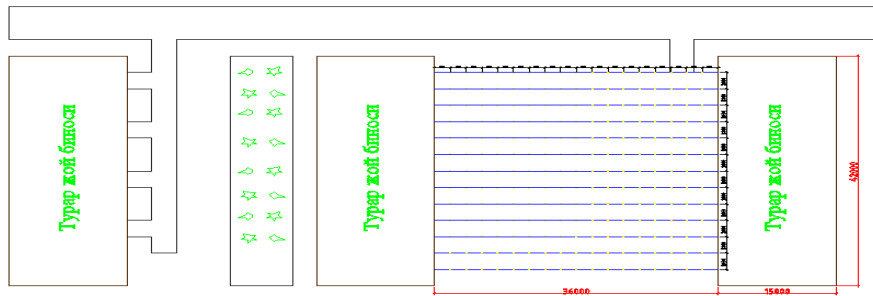


Figure 1. Schematic plan of residential buildings with two sides open.

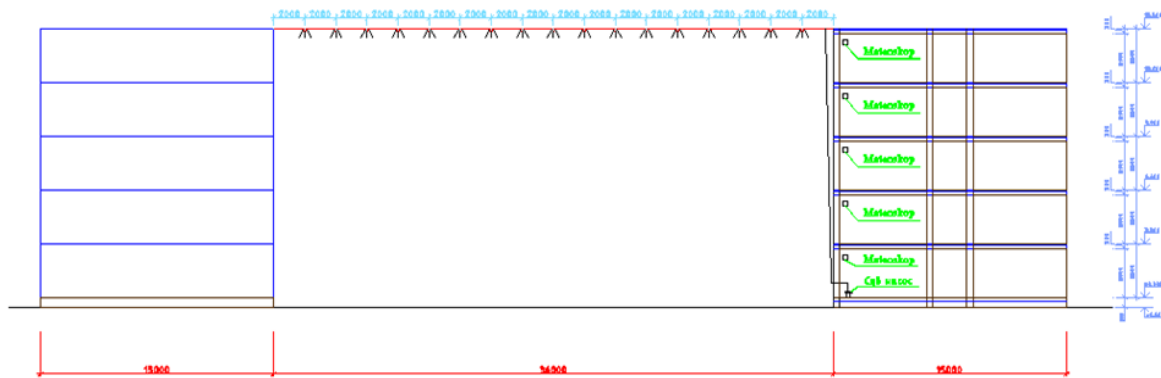
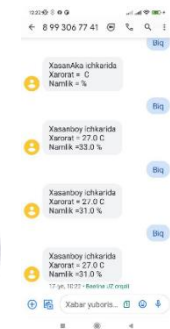


Figure 2. Schematic shearing of buildings

In the process of conducting scientific research, he managed to create a device that measures air humidity and air temperature around buildings. This created tool has the ability to send the results obtained from the migration of residential premises in the form of a serial SMS to the phone number in the interval during which it wishes (photo 3). The study was carried out using the holdpeak HP-866b brand anemometer instrument, which measures air movement and air temperature when obtaining the notes. It was carried out on a psychrometer instrument measuring air humidity (figure 4.5).



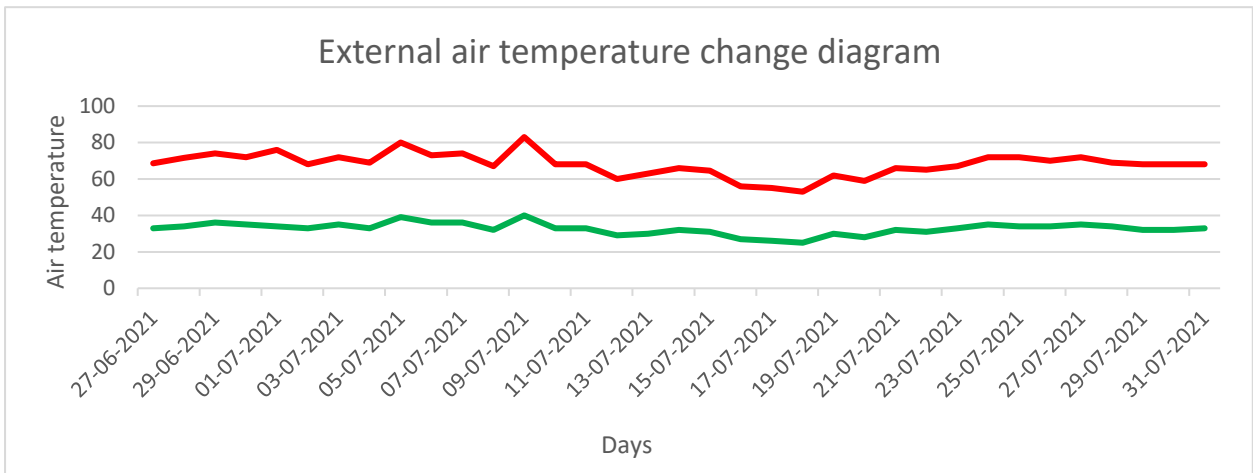
3-pacm. The device used and the SMS message from it.



4-pacm. Psychrometer



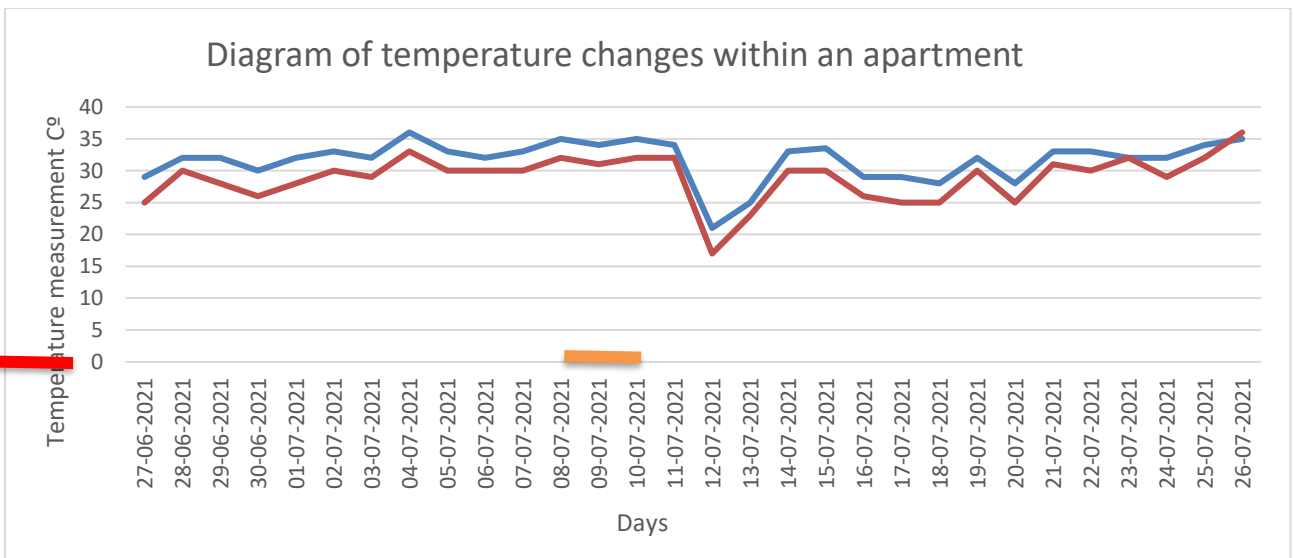
5-pacm. Anamometer



External temperature s previous

Outside temperature C° next

Diagram of the change in External air humidity after the process of applying an artificial regulation system



External temperature s previous

Outside temperature C° next

Diagram of the change in internal air humidity after the process of applying an artificial regulation system

The result of the study shows that when designing buildings that are exposed to sunlight for the migration of medium and high-rise houses, it will be necessary to maintain the necessary temperature regime in rooms in moderation during the day, taking into account the periodic variability of solar heat on sunny and cloudy days. As a result of this, it will be necessary to develop a mathematical model that expresses the dependence of the periodic change in solar heat in different weather conditions on the temperature regime that affects the microclimate in the room, and create an artificial environment in the courtyard of the building that will provide the necessary level of demand in the rooms with the

**Conclusion:**

The study showed that olingan hulosalariğa is a fundamental hold, recommends ethylaetgan sunyi orga solish tizmi assistant turar joi binolari, experiencing atmospheric temperature, and namligiga sunyi influences the results of turarar joi binolaring khanid quantitative analysis of the formed ijobia kuzatildi effect. In addition, as a result of observations, economic efficiency for human health was noted, and this in turn gives its effect at the present time, which is a shortage of energy.

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