**Èçìåíåíèå êðàòíîñòè âîçäóõîîáìåíà êàê ìåðà ñíèæåíèÿ îáëó÷åíèÿ íàñåëåíèÿ ðàäîíîì â ãîðîäñêèõ æèëèùàõ, ïîñòðîåííûõ ñ èñïîëüçîâàíèåì ñîâðåìåííûõ òåõíîëîãèé**

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Аннотация. Ðàçðàáîòàí ìåòîä îöåíêè êðàòíîñòè âîçäóõîîáìåíà (ÊÂÎ) â ðàçëè÷íûõ ðåæèìàõ ýêñïëóàòàöèè ïîìåùåíèÿ. Óñòàíîâëåíî ïðåîáëàäàíèå äèôôóçèîííîãî ìåõàíèçìà ïîñòóïëåíèÿ ðàäîíà â ñîâðåìåííûõ ãîðîäñêèõ æèëèùàõ, ïðè ýòîì ïîâûøåííûå óðîâíè îáúåìíîé àêòèâíîñòè (ÎÀ) ðàäîíà è âûñîêèé âêëàä äèôôóçèè ðàäîíà âûçâàíû íèçêîé ÊÂÎ â ïîìåùåíèÿõ. Ïîêàçàíî, ÷òî óâåëè÷åíèå ýíåðãîýôôåêòèâíîñòè â òàêèõ æèëèùàõ íå äîëæíî äîñòèãàòüñÿ ñíèæåíèåì ñóùåñòâóþùèõ óðîâíåé ÊÂÎ.

Êëþ÷åâûå ñëîâà: ðàäîí, ñêîðîñòü ïîñòóïëåíèÿ ðàäîíà, êðàòíîñòü âîçäóõîîáìåíà, ýíåðãîýôôåêòèâíîñòü.

**The Ventilation Rate Variability to Mitigate Radon Problem in Modern Multi-Storey Buildings**

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Abstract. The experimental technique of the assessment of ventilation rate in the dwellings under two conditions was developed: under active mode (with human activity in the room) and a steady state mode. Preponderance of the diffusion mechanism of radon entry in modern multi-storey buildings has been experimentally established. It was shown that increasing of energy efficiency in such dwellings should not be achieved by reduction of the current levels of ventilation rate.

Key words: radon, radon entry rate, ventilation rate, energy efficiency.