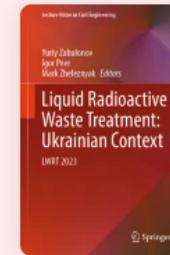


# The Influence of Climate Parameters on the Thermal Characteristics of Residential Buildings

Conference paper | First Online: 15 July 2025

pp 124–132 | [Cite this conference paper](#)



**[Liquid Radioactive Waste Treatment: Ukrainian Context](#)**  
(LWRT 2023)

Alla Kariuk , [Victor Pashynskyi](#), [Mykola Pashynskyi](#) & [Pavlo Mytrofanov](#)

 Part of the book series: [Lecture Notes in Civil Engineering](#) ((LNCE, volume 712))

 Included in the following conference series:  
[Liquid Radioactive Waste Treatment: Ukrainian Context](#)

 64 Accesses

## Abstract

Climate parameters have a decisive influence on the thermal reliability of the enclosing structures. A sufficient level of thermal reliability is ensured by the correct choice of the heat transfer resistance of the enclosures, taking into account the statistical characteristics of the atmospheric air temperature in the construction area. Objective indicators of thermal reliability are considered to be the absolute and relative duration of the thermal failure state

Access this chapter

[Log in via an institution](#) →

Subscribe and save

 **Springer+** from €37.37 /Month

- Starting from 10 chapters or articles per month
- Access and download chapters and articles from more than 300k books and 2,500 journals
- Cancel anytime

[View plans](#) →

**Buy Now**