STUDY OF THE INFLUENCE OF DYNAMIC PARAMETERS OF THE COORDINATE DESCRIPTION ON THE ACCURACY OF DETERMINING THE AREA OF ZONES WITH SPECIAL USE CONDITIONS OF LINEAR OBJECTS TERRITORIES

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The relevance of the study lies in the substantiation of taking into account the dynamic parameters of the coordinate description of zones with special conditions for the use of territories (ZSCUT), the elongation of which for linear objects leads to a significant decrease in the accuracy of determining their areas. As a result, the aim of the work is to study the influence of the dynamic parameters of the coordinate description of the ZSCUT on the accuracy of determining the area of such zones. The study applies the methods of computational experiment, analysis and generalization, and analyses the characteristics of these zones for linear real estate objects and the geometric parameters of such objects, presented on digital plans and maps. A ZSCUT model is proposed, which includes two subsystems of statistical and dynamic parameters and criteria for assessing the dynamic parameters of the coordinate description of zones. The functional relationship between the dynamic parameters and the accuracy of determining the area is revealed. The conclusion is substantiated that, taking into account the dynamic parameters of the coordinate description, it is possible to increase the accuracy of determining the area of ZSCUT, which allows the modern direction of cadastral activities modernization when entering information about the zones boundaries into the unified state register of real estate.

Keywords: zones with special conditions for the use of territories, linear structure, coordinate description, dynamic parameter, modernization, cadastral activity, unified state register of real estate

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