

PIPELINE TRANSPORT GEOSPACES

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One of the important tasks of safe operation of pipeline systems is information support of production units. The purpose of this work was to determine approaches to the formation of geoinformation space to ensure the operation of complex man-made complexes of pipeline systems. The methodological basis of the research is based on the theoretical foundations and methodological developments of scientists devoted to the collection and processing of spatial information, presented in the works of A. P. Karpik, V. B. Zharnikov, H. K. Yambaev, A. A. Varlamov, V. G. Bondur, D. V. Lisitsky, G. A. Ustavich, A. T. Zverev, V. A. Malinnikov, A. P. Sizov, V. A. Melkiy and other well-known scientists. To create a GIS of the current pipeline transport system there was defined the procedure of forming geo-information space, including the determination of the list of production problems associated with the use of spatial information, spatial data structure, needs in aerospace survey, performance requirements and frequency of updates of spatial information.

Keywords: remote sensing, aerospace survey, pipeline transport geospaces, main pipelines, spatial data

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