

AUTOMATIC CONSTRUCTION OF THE GEOLOGICAL CROSS-SECTION

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The main issue of the paper is an algorithm that is used to automate the process of creation of specific geological diagrams for diamond search. This algorithm is used in the Kimberlite Explorer programs packet which includes the three-dimensional vector editor and can be used for construction multangular cross-sections. As the process is rather labour-consuming there is a necessity of automation all layers in stratigraphy and litology as well as stratigraphy-litology. This task can be successfully fulfilled if a special field for the pairs of stratigraphy-litology is used.