AN ALGORITHM TO SPECIFY TOTAL STEREOGRAMS' PATTERNS IN DENSITY ISOCONCENTRATIONS OF ANGLED DATA FOR LARGE SAMPLES (CASE STUDY FOR STRUCTURES OF ORE DEPOSITS)

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The paper presents a graphic implementation of method of modal reduction for large samples under the statistical analysis of angled data on their isoconcentrations' stereograms. It is algorithmically simple: statistical treatment includes only (but however all!) modes (maximum) of orientations taken from the particular stereograms of local observing stations (subsamples), which are covered by the base large sample. Topicality, efficiency, reproducibility and significantly higher resolution of this method are shown in comparison with traditionally applied through summation of the complete base massif of angled data. It allows studying geological objects with structural patterns of any complexity level (including ore-bearing) without application of categorization procedures of the orientations' samples according one or another geological criteria.

Keywords: basic grand sample, total/particular stereogram, isoconcentrations, modal reduction.