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SIMULATION IN CRIMINALISTICS: THEORETICAL FOUNDATIONS OF COGNITIVE-SYNERGETIC APPROACH

The modern stage of criminalistics development is characterized by integration processes that lead to formation of new methodological approaches. In this connection the article represents the theoretical ground for possibility to use cognitive-synergetic approach in criminalistics researches. In particular the theoretical ground and practical recommendations on the use of the method of modeling for improvement of the process of taking separate tactical decisions by the investigator are proposed here.

Thus the G. Khaken's idea of analogy between recognizing of forms and taking decisions is used. The task of taking of a decision by the investigator about choosing of typical version of the motive of commission of a crime is interpreted as reverse task of modeling – the task of recognizing of forms. The correspondence in structure of criminalist characteristics of a crime between signs of method and situation of commission of a crime, personality of victim and generalized data

about guilty person through the motive of commission of a crime is also used.

In indicated formulation the task of recognizing of forms is translated as establishment of belonging of aggregate of crime signs to certain motive to which generalized data about guilty person are put in accordance.

The description of a mechanism of bringing out of a decision in concrete situation of investigation is presented. The article is also presents the results of computer modeling of bringing out of a decision (recognition of motives of a crime commission) holding with the use of technology of intellectual analysis of data in which algorithms of trees decisions are realized.

The conclusion is made that the ideas of synergy may be used in investigation of crimes activity for effective use of criminalist characteristics of crimes, working out of CASS of support for taking of ground tactical and procedural decisions by the investigator.