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ALGORITHM OF THE QUALITY EVALUATION SIMULATION MODEL OF DESCENT INSTALLATIONS

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**Research methodology.** In the scientific work we have used the methods of system and matrix analysis, the graphic theory for the selection and presentation of the formalizing relations between factors influencing the implementation process of book editions installation descents, the theory of hierarchical systems — for modeling of the priority of the factors influencing the processes under research; the methods of set theory to create a universal term set of linguistic variables; the fuzzy logic techniques for evaluating the quality of the implementation process of descent installations.

**Results.** An algorithm for calculating of the integral index of descent installations quality has been found. The simulation model has been constructed in the form of program interface which provides management capabilities and options of its functioning. The projected book quality has been provided with additional information concerning the essence of the technical and technological factors and material characteristics led to the expected rate.

**Novelty.** The concept of prediction quality publishing and printing processes of creating simulation models forecasting the process control of the book editions descent installations quality has obtained its further development, depending on the values of the input parameters given by the universal term-set and designed membership functions.

**The practical significance.** The simulation model based on this algorithm enables the management process of obtaining predictable results depending on the values of the input parameters of technical and technological factors and material characteristics led to the expected rate.