

Mathematical Model of a Rating Estimation of Competitiveness of Production on an Example of the Mountain Enterprise

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Model of a rating estimation of competitiveness of production, realised by means of a method of definition of degrees of an accessory. As the factors influencing acceptance by the expert of the decision on assignment of a rating estimation of production, the same criteria, as in other models are considered: quality of production which it is possible to estimate an indicator «the importance of the technical decision», a financial priority from output, criteria of a production efficiency, and production sale. Necessity of creation of the given model is caused by that she allows to compare simultaneously some alternatives with the assistance of a commission of experts that gives the chance to solve problems of decision-making of various classes, both individual, and a group choice in conditions многокритериальности and uncertainty.

On the basis of the given method the software product "Rating" [56] is created.

Program functional purpose: input of estimations of criteria; input of estimations of compatibility of alternatives with criteria; reception of a matrix of preferences of alternatives; calculation of a threshold of preference; calculation and a conclusion of rating estimations of alternatives.

Requirements to the computer and the software. **COMPUTER type - IBM PC AT Pentium 100; Language - Delphi 3; OC - Windows 95; program Volume - 366 Kb.**

Scope. The program "Rating" is a component of the software of system of support of decision-making on competitiveness of high technology production and is intended for definition of rating estimations of alternatives. As alternatives the enterprises, investment projects can act production.