

ANALYTIC NETWORK PROCESS AS QUALITATIVE SIMULATING TOOL: RESEARCHING OF FINANCIAL CRISIS

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ABSTRACT

Analytic Network Process is the convenient tool for simulating of complex problems under uncertainty. Network model describes the problem by the qualitative attributes such as clusters, nodes and relations between them. These attributes can present essential factors, criteria, properties, functions, actors and other aspects of the considered problem. The researcher also can use quantitative data in the form of expert judgments for experimental evaluating of mutual influences of the attributes. Thus we have an opportunity to explore complex problem and to obtain unobvious results by experimenting with model and to achieve the better understanding of the problem for decision making. We show the example, which demonstrates some capabilities of ANP for the researching of the efficiency of the measures for the surmounting of financial crisis.

Keywords: ANP, simulating, priorities, financial crisis

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