

다기준 의사결정에서 AHP와 ANP의 비교 연구

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A comparison between the AHP and the ANP
on multi-criteria decision making

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Abstract

The ANP (Analytic Networks Process), though based on the AHP (Analytic Hierarchy Process), is a system for the analysis, synthesis, and justification of complex decisions with the capability to model non-linear relations between the elements. ANP allows the decision makers to leap beyond the traditional hierarchy to the interdependent environment of network modeling.

The ANP is designed for problems characterized by the added complexity of interdependencies such as feedback and dependencies among problem elements. Using a network approach makes it possible to represent and analyze interactions, incorporate non-linear relations between the elements, and synthesize mutual effects by a single logical procedure.

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